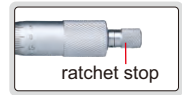


## 1µm GRADUATION OUTSIDE MICROMETERS

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

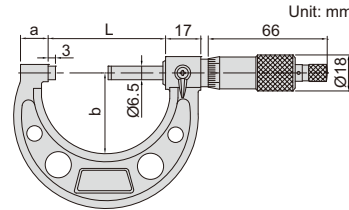
**INSPECTION  
CERTIFICATE**  
TRACEABLE TO DKD



### 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

3210-25A



### 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

### Friction thimble type (mm)

Code	Range	Accuracy	L	a	b
3210-25FA*	0-25mm	4µm	32	9	28
3210-50FA*	25-50mm	4µm	57	14	38

\*Supplied with manufacturer inspection certificate traceable to DKD Germany

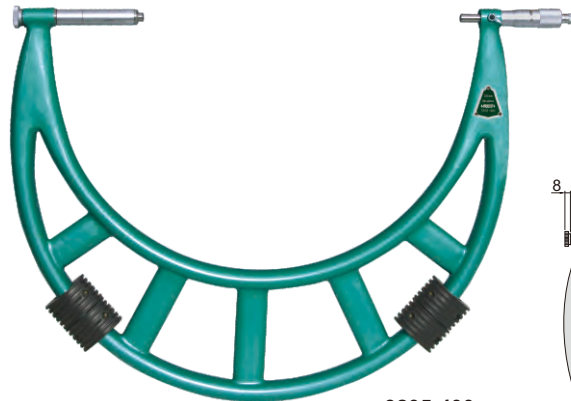
5

## OUTSIDE MICROMETERS WITH EXTENSION ANVIL COLLAR

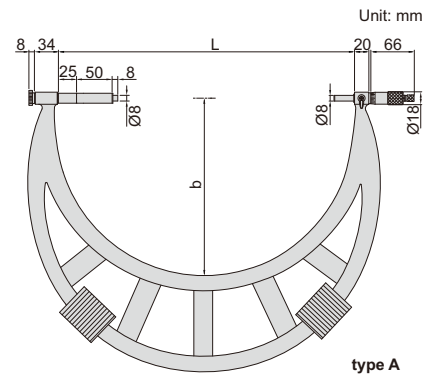
- Graduation 0.01mm
- Adjust collars for different measuring ranges
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



adjust collars for different measuring ranges



3205-400

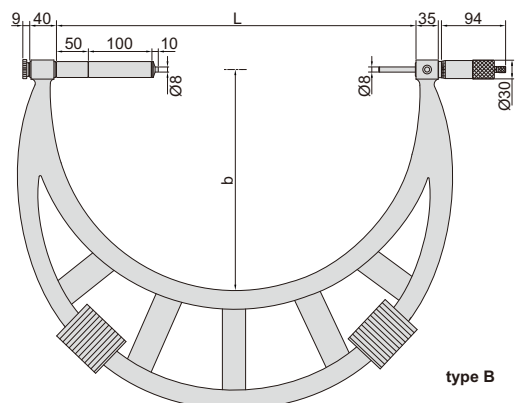


type A



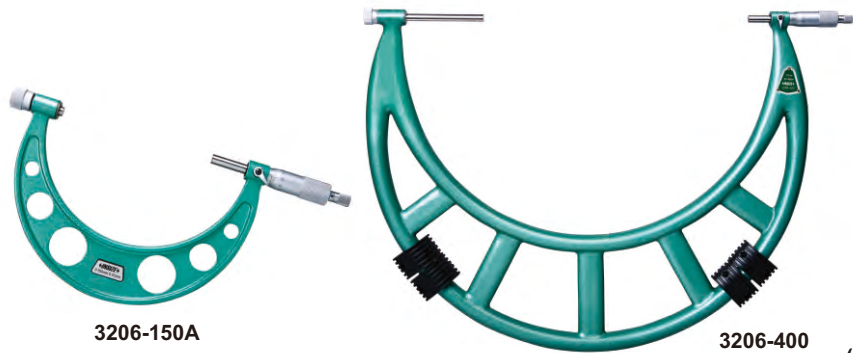
Code	Range	Type	Accuracy	L	b	Setting standard (included)
3205-400	300-400mm	A	11µm	410	250	325, 375
3205-500	400-500mm	A	13µm	510	295	425, 475
3205-600	500-600mm	A	14µm	610	345	525, 575
3205-700	600-700mm	A	16µm	710	395	625, 675
3205-800	700-800mm	A	18µm	810	445	725, 775,
3205-900	800-900mm	A	20µm	910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

(mm)

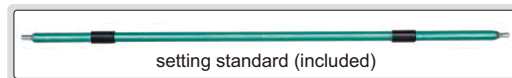
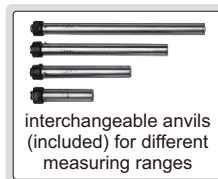


type B

## OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

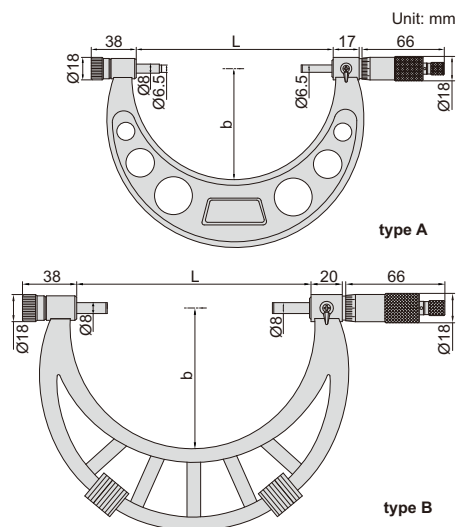


- Graduation 0.01mm
- Ratchet stop
- Meet DIN863-3
- Carbide measuring faces
- Supplied with setting standards



5

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

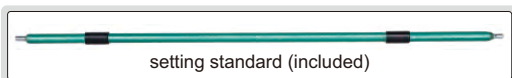
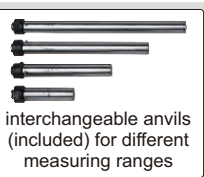
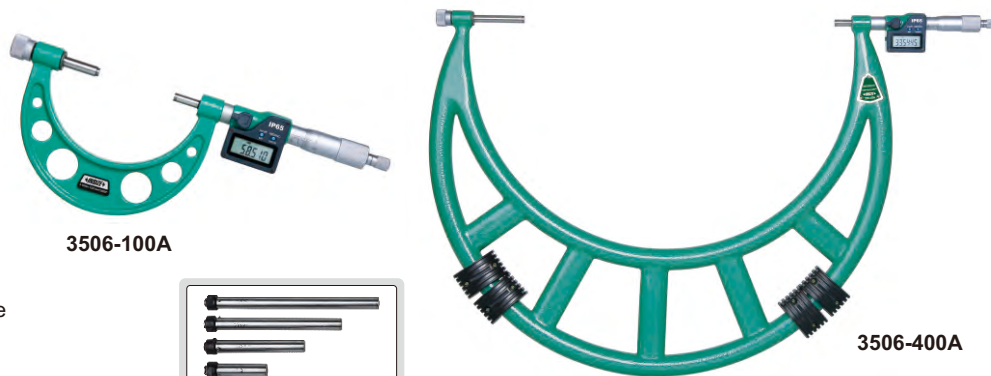


**IP65**  
WATERPROOF

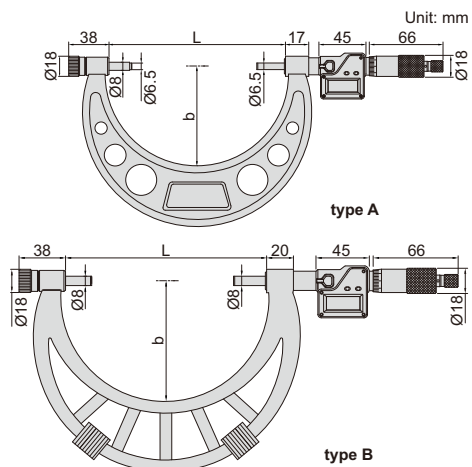
**DATA**  
OUTPUT

## DIGITAL OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

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



Code	Range	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



## GEAR TOOTH MICROMETERS

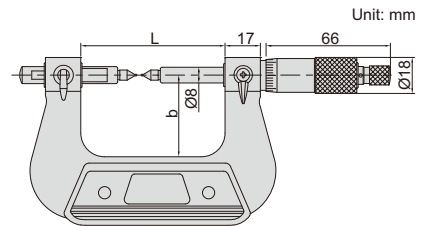
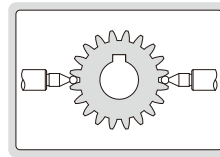
- Meet DIN863-3
- Measure over-pin diameter of gears
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)
- Optional accessory: ball tips (code 7391)

5

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



3291-25



## DIGITAL GEAR TOOTH MICROMETERS

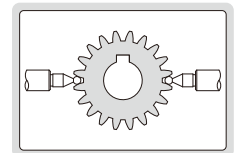
IP65  
WATERPROOF

DATA  
OUTPUT

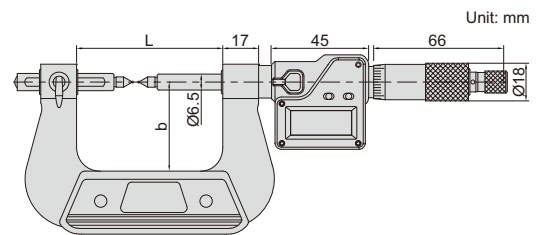
- Measure over-pin diameter of gears
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: ball tips (code 7391), data output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



3591-25A



Code	Range	Accuracy	L	b
3591-25A	0-25mm/0-1"	±4µm	67	38
3591-50A	25-50mm/1-2"	±4µm	92.4	50
3591-75A	50-75mm/2-3"	±5µm	117.6	62
3591-100A	75-100mm/3-4"	±5µm	143	70
3591-125A	100-125mm/4-5"	±6µm	168.2	82
3591-150A	125-150mm/5-6"	±6µm	192	94.5
3591-175A	150-175mm/6-7"	±7µm	217	107



## BALL TIPS FOR GEAR TOOTH MICROMETERS

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

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



7391-T5

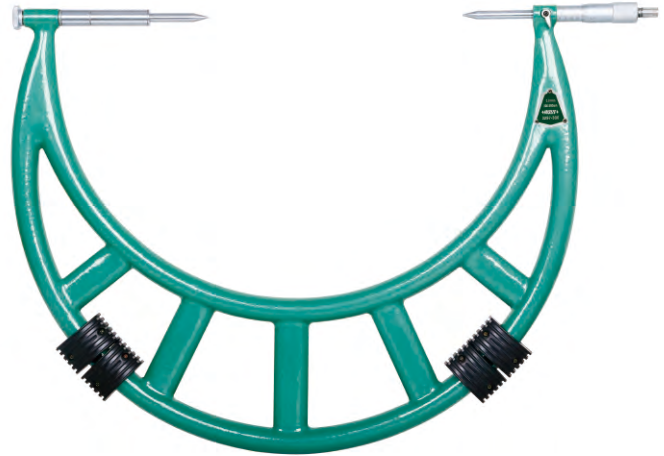


## GEAR ROOT DIAMETER MICROMETERS

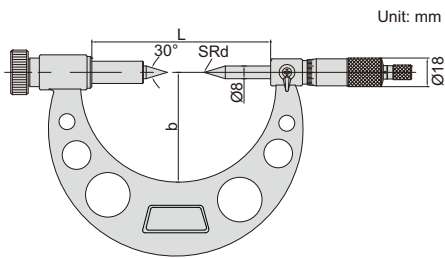
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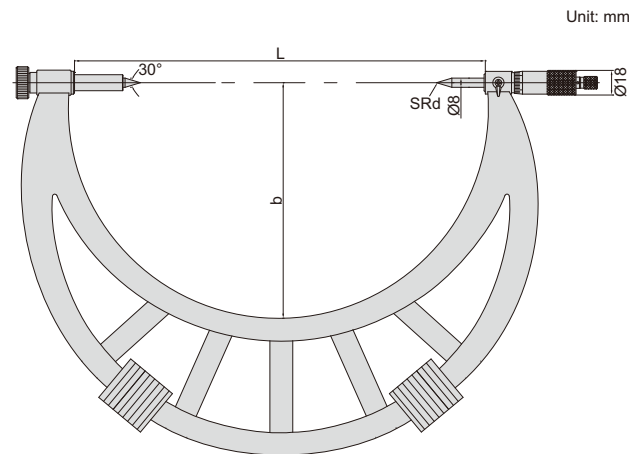
3297-100



3297-300



type A



type B

Unit: mm

Unit: mm

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

Code	Range	Type	Accuracy	L	b	SRd
3297-100	5-100mm	A	5µm	137	72	0.4
3297-200	100-200mm	A	7µm	237	129	0.5
3297-300	200-300mm	B	9µm	414	225	0.7
3297-400	300-400mm	B	11µm	514	275	0.7
3297-500	400-500mm	B	13µm	614	325	0.7
3297-600	500-600mm	B	15µm	714	375	0.7
3297-700	600-700mm	B	16µm	814	425	0.7
3297-800	700-800mm	B	18µm	914	475	0.7
3297-900	800-900mm	B	20µm	1014	525	0.7

(mm)

## CRIMP HEIGHT MICROMETERS

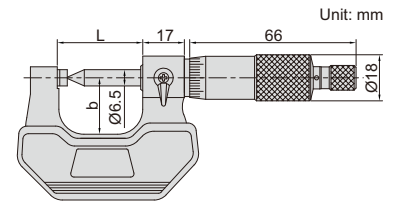
RELATIVE PRODUCT: DIGITAL CRIMP HEIGHT CALIPER (CODE 1165-150A)

5



3266-25BA

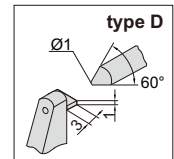
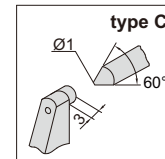
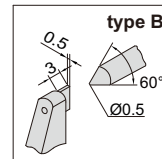
- Measure the height of crimp contact
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



Unit: mm

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

(mm)



## DIGITAL CRIMP HEIGHT MICROMETERS

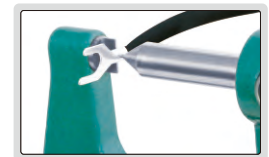
IP65  
WATERPROOF

DATA  
OUTPUT

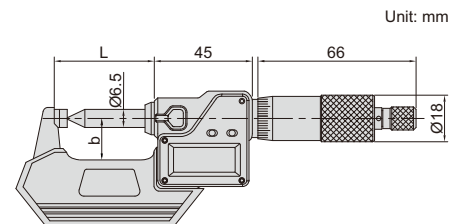
RELATIVE PRODUCT: DIGITAL CRIMP HEIGHT CALIPER (CODE 1165-150A)



3566-25BA



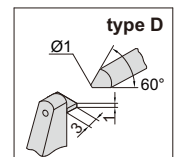
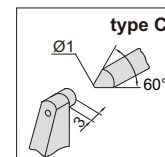
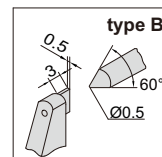
- Measure the height of crimp contact
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30,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



Unit: mm

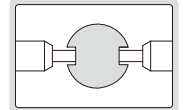
Code	Range	Type	Accuracy	L	b
3566-25BA	0-25mm/0-1"	B	±4µm	34.5	25
3566-25CA	0-25mm/0-1"	C	±4µm	34.5	25
3566-50CA	25-50mm/0-1"	C	±4µm	59.5	32
3566-75CA	50-75mm/0-1"	C	±5µm	84.5	44.5
3566-100CA	75-100mm/0-1"	C	±5µm	109.5	57
3566-25DA	0-25mm/0-1"	D	±4µm	34.5	25

(mm)



## SPLINE MICROMETERS

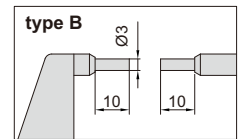
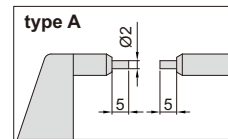
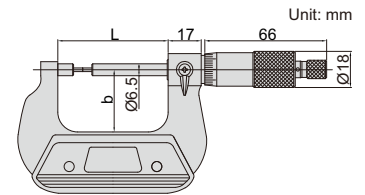
- Meet DIN863-3
- Measure splined shafts, slots and keyways
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



5

3233-25BA

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

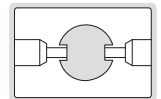


**IP65**  
WATERPROOF

**DATA**  
OUTPUT

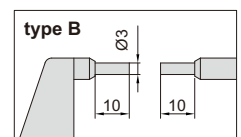
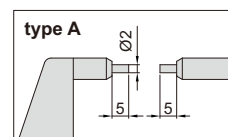
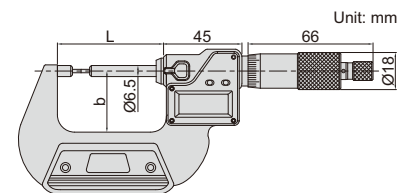
## DIGITAL SPLINE MICROMETERS

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



3533-25BA

Code	Range	Type	Accuracy	L	b
3533-25A	0-25mm/0-1"	A	±4μm	57	32
3533-50A	25-50mm/1-2"	A	±4μm	82	44.5
3533-75A	50-75mm/2-3"	A	±5μm	107	57
3533-100A	75-100mm/3-4"	A	±5μm	132.6	69.5
3533-125A	100-125mm/4-5"	A	±6μm	158	82
3533-150A	125-150mm/5-6"	A	±6μm	183.4	94.5
3533-175A	150-175mm/6-7"	A	±7μm	208.8	107
3533-25BA	0-25mm/0-1"	B	±4μm	57	32
3533-50BA	25-50mm/1-2"	B	±4μm	82	44.5
3533-75BA	50-75mm/2-3"	B	±5μm	107	57
3533-100BA	75-100mm/3-4"	B	±5μm	132.6	69.5
3533-125BA	100-125mm/4-5"	B	±6μm	158	82
3533-150BA	125-150mm/5-6"	B	±6μm	183.4	94.5
3533-175BA	150-175mm/6-7"	B	±7μm	208.8	107



# HIGH PRECISION DIGITAL SPLINE MICROMETERS/SNAP GAGES

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

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

NON-ROTATING SPINDLE

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

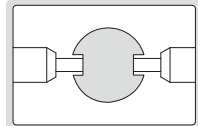
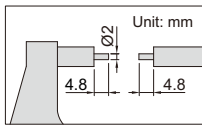
IP65 WATERPROOF

**INSPECTION CERTIFICATE**

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

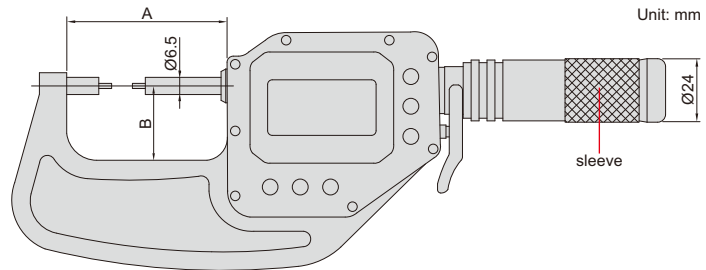
DATA OUTPUT

5



3356-25

- Measure splined shafts, slots and keyways
- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001"
  - 0.001mm/0.00005"
  - 0.01mm/0.0005"
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Linear ball bearings for ten million times use
- Carbide spindle and anvil
- Measuring force 7-10N
  - Customizable measuring force range 2-12N
  - Attention: small measuring force will reduce the dustproof and waterproof level
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch, adjust resolution
- Supplied with gage blocks for zero setting (except 0-25mm/0-1")
- Power: rechargeable battery, for 24 hours continuous working



### With data interface

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

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

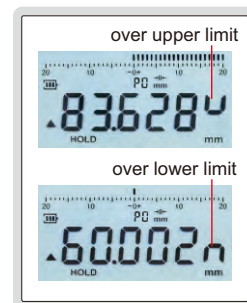
### Built-in wireless

Optional accessory:  
 wireless receiver (keyboard format, connect up to 15 digital indicators), code **2134-R1**  
 wireless receiver (serial port format, connect up to 15 digital indicators), code **2134-R2**

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

\* Supplied with manufacturer inspection certificate

warning when over tolerance



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

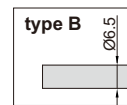
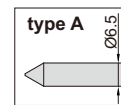
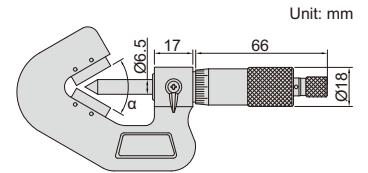


## V-ANVIL MICROMETERS



3290-153A

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



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Code	Range	Flutes	Accuracy	$\alpha$	Type
3290-153A	1-15mm	3	4 $\mu$ m	60°	A
3290-203A	5-20mm	3	4 $\mu$ m	60°	B
3290-353A	20-35mm	3	5 $\mu$ m	60°	B
3290-503A	35-50mm	3	5 $\mu$ m	60°	B
3290-653A	50-65mm	3	6 $\mu$ m	60°	B
3290-803A	65-80mm	3	6 $\mu$ m	60°	B
3290-953A	80-95mm	3	7 $\mu$ m	60°	B
3290-255A	5-25mm	5	4 $\mu$ m	108°	B

Code	Range	Flutes	Accuracy	$\alpha$	Type
3290-455A	25-45mm	5	5 $\mu$ m	108°	B
3290-655A	45-65mm	5	6 $\mu$ m	108°	B
3290-855A	65-85mm	5	7 $\mu$ m	108°	B
3290-1055A	85-105mm	5	8 $\mu$ m	108°	B
3290-257A	5-25mm	7	4 $\mu$ m	128°34'17"	B
3290-457A	25-45mm	7	5 $\mu$ m	128°34'17"	B
3290-657A	45-65mm	7	6 $\mu$ m	128°34'17"	B
3290-857A	65-85mm	7	7 $\mu$ m	128°34'17"	B

**IP65**  
WATERPROOF

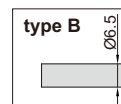
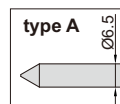
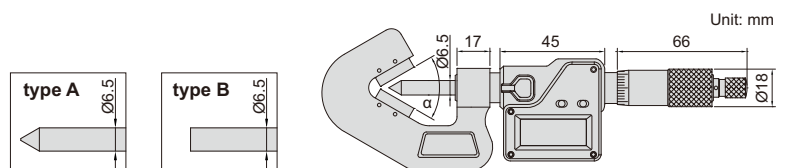
**DATA**  
OUTPUT

## DIGITAL V-ANVIL MICROMETERS



3590-153A

- Measure the diameter of parts or cutting tools with odd grooves, such as taps, reamers and end mills
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-30, 7302-30)



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

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