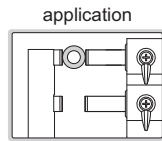
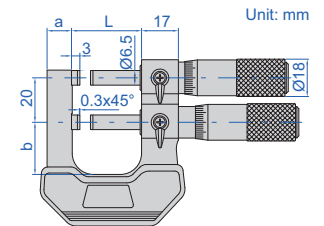


## LIMIT MICROMETERS

- 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)



3235-25A



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

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

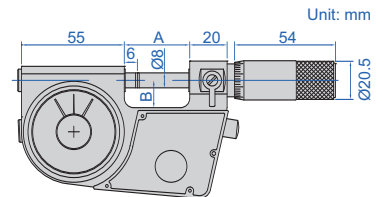


## INDICATING MICROMETERS



3333-25

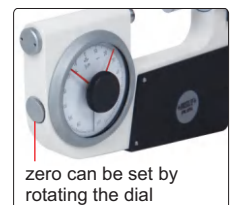
- Meet DIN863-3
- Carbide measuring faces
- Measuring force 5-10N
- Dial can be adjusted
- Optional accessory: gauge blocks grade 0 (4101-A series), for zero setting



(mm)

Code	Micrometer head			Dial indicator			A	B
	range	graduation	accuracy	range	graduation	accuracy		
3333-25 *	0-25mm	0.01mm	4µm	±0.07mm	1µm	±1µm	35.5	15
3333-252 *	0-25mm	0.01mm	4µm	±0.14mm	2µm	±2µm	35.5	15
3333-50 *	25-50mm	0.01mm	4µm	±0.07mm	1µm	±1µm	60.5	25
3333-502 *	25-50mm	0.01mm	4µm	±0.14mm	2µm	±2µm	60.5	25
3333-75 *	50-75mm	0.01mm	4µm	±0.07mm	1µm	±1µm	88	37.5
3333-752 *	50-75mm	0.01mm	4µm	±0.14mm	2µm	±2µm	88	37.5
3333-100 *	75-100mm	0.01mm	4µm	±0.07mm	1µm	±1µm	111	50
3333-1002 *	75-100mm	0.01mm	4µm	±0.14mm	2µm	±2µm	111	50
3333-125 *	100-125mm	0.01mm	4µm	±0.07mm	1µm	±1µm	136	62.5
3333-1252 *	100-125mm	0.01mm	4µm	±0.14mm	2µm	±2µm	136	62.5
3333-150 *	125-150mm	0.01mm	4µm	±0.07mm	1µm	±1µm	161	75
3333-1502 *	125-150mm	0.01mm	4µm	±0.14mm	2µm	±2µm	161	75
3333-175 *	150-175mm	0.01mm	4µm	±0.14mm	2µm	±2µm	186	88
3333-200 *	175-200mm	0.01mm	4µm	±0.14mm	2µm	±2µm	211	101
3333-225 *	200-225mm	0.01mm	4µm	±0.14mm	2µm	±2µm	236	113
3333-250 *	225-250mm	0.01mm	4µm	±0.14mm	2µm	±2µm	261	126
3333-275 *	250-275mm	0.01mm	4µm	±0.14mm	2µm	±2µm	286	138
3333-300 *	275-300mm	0.01mm	4µm	±0.14mm	2µm	±2µm	311	151

\* Supplied with manufacturer inspection certificate



# BLUETOOTH DIGITAL INDICATING MICROMETERS

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

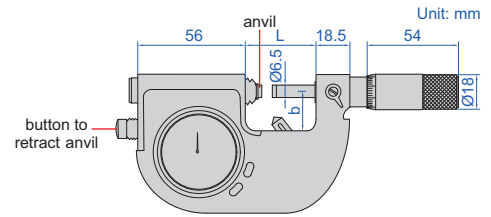
IP54 WATERPROOF

BUILT-IN BLUETOOTH

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED



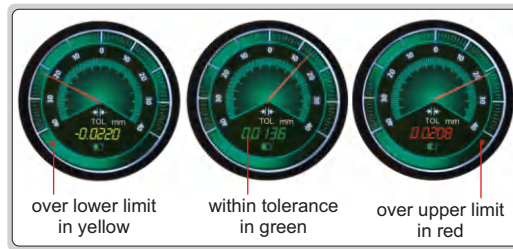
3507-25



6

- Meet DIN863-3
- Absolute encoder, the original data remains after power off
- Measuring stroke of anvil: 3mm
- Reading in digital and analog
- Button function: on/off, zero setting, mm/inch, tolerance, display setting, bluetooth, signal mode setting, data output
- Android and iPhone APP, USB type-C cable are included
- Carbide measuring faces
- Power: rechargeable Li-battery, for 20 hours continuous working (bluetooth transmission reduces working hours)
- Optional accessory: gauge blocks grade 0 (4101-A series), for zero setting

warning in red or yellow when over tolerance



charge pal

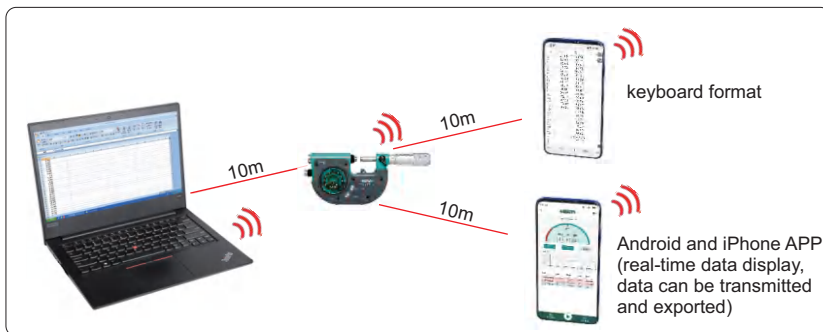


(mm)

Code	Micrometer head			Digital indicator			Repeatability	L	b	Remarks
	range	graduation	accuracy	range	resolution	accuracy				
3507-25	0-25mm	0.002mm	3µm	±0.04mm	0.1µm	±1µm	0.3µm	35.5	15	includes charge pal
3507-50	25-50mm	0.002mm	3µm	±0.04mm	0.1µm	±1µm	0.3µm	60.5	25	includes charge pal
3507-75	50-75mm	0.002mm	3µm	±0.04mm	0.1µm	±1µm	0.3µm	86	37.5	includes charge pal
3507-100	75-100mm	0.002mm	3µm	±0.04mm	0.1µm	±1µm	0.3µm	111	50	includes charge pal
3507-25B	0-25mm	0.002mm	3µm	±0.04mm	0.2µm	±1µm	0.3µm	35.5	15	—
3507-50B	25-50mm	0.002mm	3µm	±0.04mm	0.2µm	±1µm	0.3µm	60.5	25	—
3507-75B	50-75mm	0.002mm	3µm	±0.04mm	0.2µm	±1µm	0.3µm	86	37.5	—
3507-100B	75-100mm	0.002mm	3µm	±0.04mm	0.2µm	±1µm	0.3µm	111	50	—

## Data output

Data output with bluetooth (transmission distance is 10 meters)	keyboard format	data can be transmitted to Excel, Word, txt, etc.	single transmission
	virtual com port	data can be transmitted to Android and iPhone APP	real-time display, data can be transmitted and exported
Data output with USB cable (cable length 1.8 meters)	keyboard format	data can be transmitted to Excel, Word, txt, etc.	single transmission
	virtual com port	data can be transmitted to serial communication software	single transmission



data output with bluetooth (included)



data output with USB cable (included)

**IP54**  
WATERPROOF

**ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF**

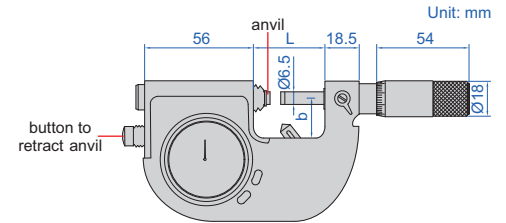
**ATTENTION: SETTING STANDARDS ARE NOT INCLUDED**

## DIGITAL INDICATING MICROMETERS (WITHOUT DATA OUTPUT)

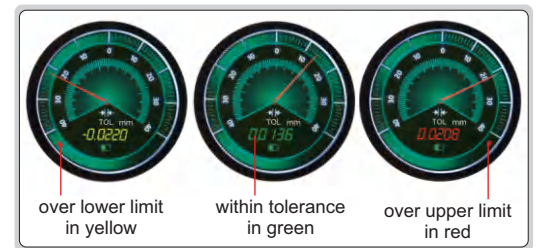


**3508-25**

- Meet DIN863-3
- Absolute encoder, the original data remains after power off
- Measuring stroke of anvil: 3mm
- Reading in digital and analog
- Button function: on/off, zero setting, mm/inch, tolerance, display setting
- Carbide measuring faces
- Power: rechargeable Li-battery, for 20 hours continuous working
- Optional accessory: gauge blocks grade 0 (4101-A series), for zero setting



warning in red or yellow when over tolerance



(mm)

Code	Micrometer head			Digital indicator			Repeatability	L	b
	range	graduation	accuracy	range	resolution	accuracy			
3508-25	0-25mm	0.002mm	3µm	±0.04mm	0.2µm	±1µm	0.3µm	35.5	15
3508-50	25-50mm	0.002mm	3µm	±0.04mm	0.2µm	±1µm	0.3µm	60.5	25
3508-75	50-75mm	0.002mm	3µm	±0.04mm	0.2µm	±1µm	0.3µm	86	37.5
3508-100	75-100mm	0.002mm	3µm	±0.04mm	0.2µm	±1µm	0.3µm	111	50
3508-25B	0-25mm	0.002mm	3µm	±0.04mm	0.5µm	±1µm	0.3µm	35.5	15
3508-50B	25-50mm	0.002mm	3µm	±0.04mm	0.5µm	±1µm	0.3µm	60.5	25
3508-75B	50-75mm	0.002mm	3µm	±0.04mm	0.5µm	±1µm	0.3µm	86	37.5
3508-100B	75-100mm	0.002mm	3µm	±0.04mm	0.5µm	±1µm	0.3µm	111	50

**ATTENTION: SETTING STANDARDS ARE NOT INCLUDED**

## INDICATING MICROMETERS

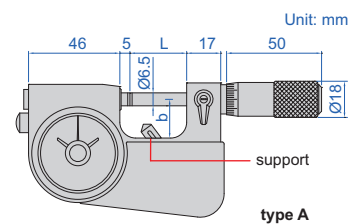
- Meet DIN863-3
- Micrometer head graduation: 0.002mm
- Dial indicator: range ±0.04mm, graduation 0.001mm, accuracy 0.001mm
- Carbide measuring faces
- Optional accessory: gauge blocks grade 0 (4101-A series), for zero setting



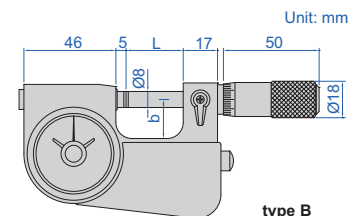
**3332-25**



**3332-25B**



type A



type B

(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

## MICROMETERS WITH DIAL INDICATOR

**INSIZE PLUS**  
MADE IN EUROPE

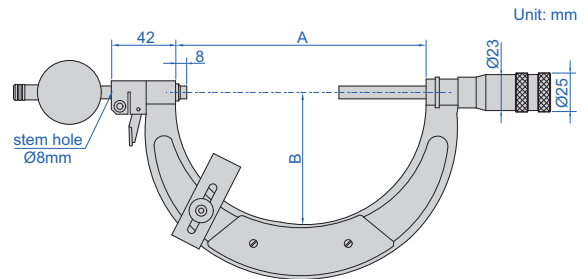
ATTENTION: SETTING  
STANDARDS ARE NOT INCLUDED

INSPECTION  
CERTIFICATE

digital indicator  
is optional



3346-25



6

(mm)

Code	Micrometer head range	Micrometer head graduation	Micrometer head accuracy	A	B
3346-25 *	0-25mm	5µm	4µm	37	24
3346-50 *	25-50mm	5µm	4µm	62	34
3346-75 *	50-75mm	5µm	5µm	87	46
3346-100 *	75-100mm	5µm	5µm	112	60
3346-150 *	100-150mm	5µm	6µm	164	85
3346-200 *	150-200mm	5µm	7µm	215	110
3346-250 *	200-250mm	5µm	8µm	264	135
3346-300 *	250-300mm	5µm	9µm	315	160

- Anvil retracting range: 2.5mm
- Carbide measuring faces
- Parallelism of measuring faces: 1µm
- Optional accessory: dial indicator (code 2890-1F), digital indicator, gauge blocks grade 1 (4101-B series), for zero setting

\* Supplied with manufacturer inspection certificate

## MICROMETERS WITH DIAL INDICATOR

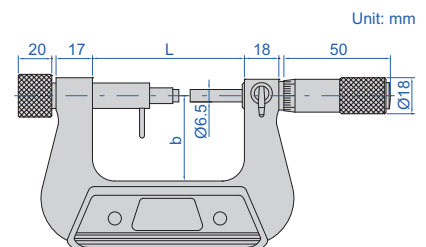
ATTENTION: NOT SUITABLE  
FOR 0.001MM DIAL INDICATORS

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





ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

LIGHT WEIGHT

## MICROMETERS WITH DIAL INDICATOR

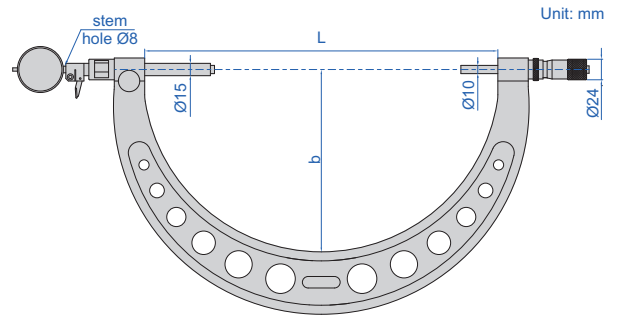
**INSIZE PLUS**  
MADE IN EUROPE

digital indicator is optional



spindle retract fork

3685-300



- Graduation 0.01mm
- Anvil with vernier graduation, convenient adjustment for different measuring ranges
- Meet DIN863-3
- Carbide measuring faces
- Anvil retracting range: 2.5mm
- Optional accessory: dial/digital indicators, setting standards (code **7386**)

anvil with vernier graduation, can be adjusted for different measuring ranges



### Range 100mm

(mm)

Code	Range	Micrometer head accuracy	L	b	Weight
3685-300	200-300mm	6μm	320	165	1.7kg
3685-400	300-400mm	7μm	430	220	2.1kg
3685-500	400-500mm	8μm	530	273	2.6kg
3685-600	500-600mm	9μm	630	323	3.3kg
3685-700	600-700mm	9μm	730	378	4.0kg
3685-800	700-800mm	9μm	830	423	4.4kg
3685-900	800-900mm	10μm	930	473	5.2kg
3685-1000	900-1000mm	10μm	1030	520	6.4kg

### Range 200mm

(mm)

Code	Range	Micrometer head accuracy	L	b	Weight
3685-402	200-400mm	7μm	430	220	2.2kg
3685-602	400-600mm	9μm	630	323	3.4kg
3685-802	600-800mm	9μm	830	423	4.5kg
3685-1002	800-1000mm	10μm	1030	520	6.5kg
3685-1202	1000-1200mm	11μm	1230	635	8.9kg
3685-1402	1200-1400mm	12μm	1430	735	11.6kg
3685-1602	1400-1600mm	18μm	1660	840	13.9kg
3685-1802	1600-1800mm	20μm	1870	940	16.5kg
3685-2002	1800-2000mm	22μm	2075	1055	19.1kg

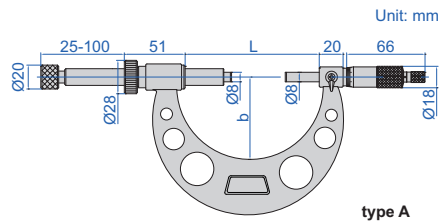
## MICROMETERS WITH DIAL INDICATOR

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

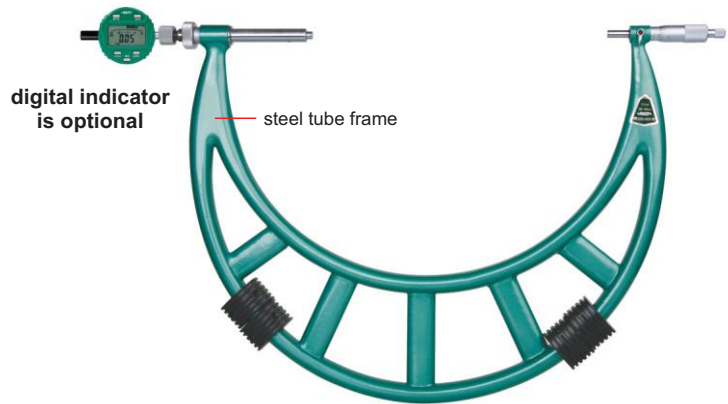


digital indicator is optional

3296-100A



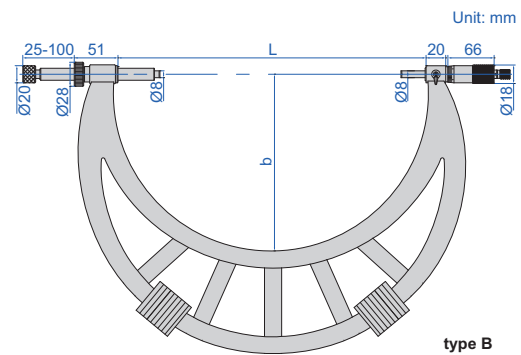
type A



digital indicator is optional

steel tube frame

3296-400A



type B

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

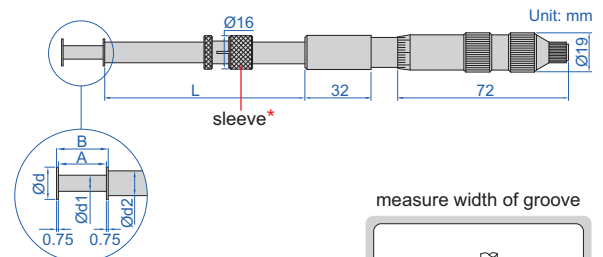
- Meet DIN863-3
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: dial indicators (graduation 0.01mm) digital indicators (resolution 0.01mm/0.0005")

## GROOVE MICROMETERS



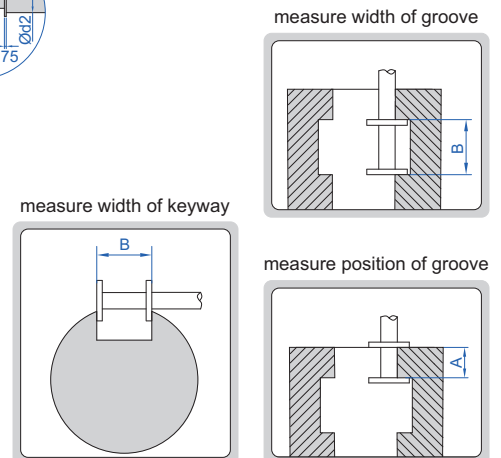
3287-50B

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



Code	Range (outside A)	Range (inside B)	Accuracy	L	Ød	Ød1	Ød2
3287-25B	0-25mm	1.6-26.5mm	10µm	120	13	6.5	10
3287-50B	25-50mm	26.5-51.5mm	10µm	120	13	6.5	10
3287-75B	50-75mm	51.5-76.5mm	10µm	120	13	6.5	10
3287-100B	75-100mm	76.5-101.5mm	10µm	120	13	6.5	10
3287-125B	100-125mm	101.5-126.5mm	15µm	120	13	6.5	10
3287-150B	125-150mm	126.5-151.5mm	15µm	120	13	6.5	10
3287-251B*	0-25mm	1.6-26.5mm	10µm	90	6.5	3	5

\*3287-251B does not have sleeve

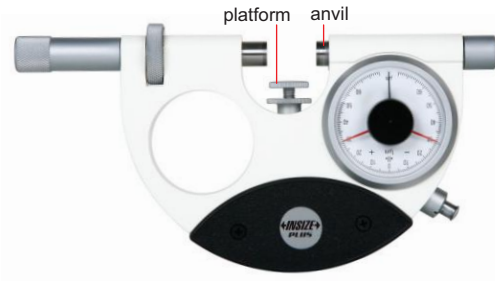


## DIAL SNAP GAUGES

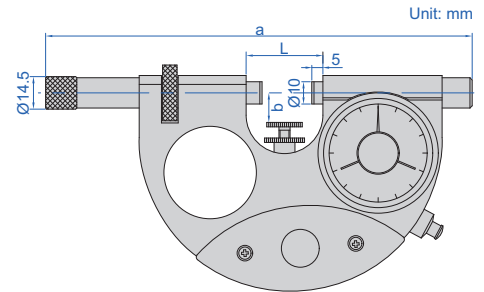
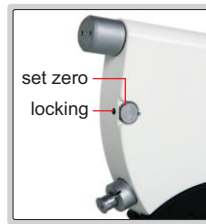
**INSIZE PLUS**  
MADE IN EUROPE

- Quick Go/No-Go measurement for mass production
- Anvil retracting stroke: 2.5mm
- Dial indicator: measuring range  $\pm 0.07$ mm, graduation  $1\mu\text{m}$ , accuracy  $\pm 1\mu\text{m}$
- Constant measuring force over the whole range: 8.5N
- Carbide measuring faces
- IP54 dust/waterproof
- Zero position of dial indicator is adjustable and can be locked (supplied with locking wrench)
- Adjustable platform height

Code	Range	L	a	b
3335-25	0-25mm	35mm	191mm	<15mm
3335-50	25-50mm	60mm	215mm	<25mm
3335-75	50-75mm	84mm	239mm	<37.5mm
3335-100	75-100mm	110mm	265mm	<50mm



3335-25



**IP54**  
WATERPROOF



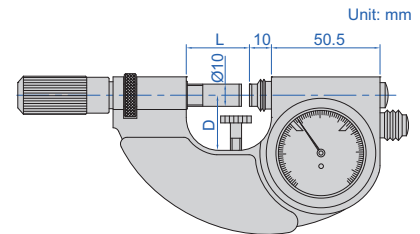
## DIAL SNAP GAUGES

- Quick measurement for mass production
- Dial indicator: range  $\pm 0.04$ mm, graduation 0.001mm, accuracy 0.001mm
- IP54 dust/waterproof
- Measuring force: 5-10N
- Carbide measuring faces
- Optional accessory: gauge blocks grade 0 (4101-A series), for zero setting

Code	Range	L	D
3334-25	0-25mm	28.5mm	25mm
3334-50	25-50mm	53.5mm	35mm
3334-75	50-75mm	78.5mm	47.5mm
3334-100	75-100mm	103.5mm	60mm



3334-25



**ATTENTION: SETTING STANDARDS ARE NOT INCLUDED**

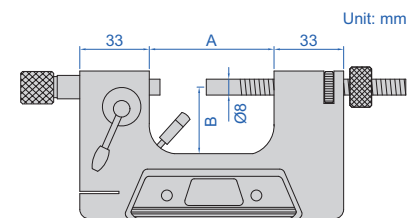
**IP54**  
WATERPROOF

## DIAL SNAP GAUGES

- Quick measurement for mass production
- Anvil retracting stroke: 3mm
- Measuring force: 6-9N
- Carbide measuring faces
- Optional accessory: dial indicators (graduation 0.01mm), digital indicators (resolution 0.01mm/0.0005")



2184-50W



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

Code	Range	A	B
2184-25W	0-25mm	34mm	18mm
2184-50W	0-50mm	62mm	32mm
2184-100W	50-100mm	112mm	62mm
2184-150W	100-150mm	162mm	85mm
2184-200W	150-200mm	212mm	110mm



QUICK AND ACCURATE MEASUREMENT OF CYLINDRICAL WORKPIECES

DIAL SNAP GAUGES



- Left anvil retracting stroke: 2mm
- Measuring force: 6-8N
- Flatness of anvil: 1.5µm
- Repeatability: 1µm
- Carbide measuring faces for anvils
- Front edges of anvils are chamfered for easy workpiece insertion
- Optional accessory: dial indicators and digital indicators (reading 0.001mm or 0.01mm)



digital indicator is optional

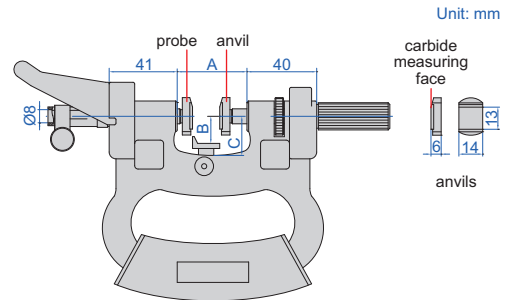
2186-25

application



Code	Range	Parallelism of measuring faces	A	B	C
2186-25 *	0-25mm	4µm	42	11-18	20
2186-50 *	25-50mm	4µm	69	11-32	41
2186-75 *	50-75mm	5µm	94	17-41	51
2186-100 *	75-100mm	6µm	119	31-55	65
2186-125 *	100-125mm	6µm	144	42-70	75
2186-150 *	125-150mm	8µm	169	55-82	90
2186-175 *	150-175mm	8µm	194	68-95	100
2186-200 *	175-200mm	10µm	219	85-110	115
2186-225 *	200-225mm	10µm	244	95-120	130
2186-250 *	225-250mm	10µm	269	110-135	145
2186-275 *	250-275mm	12µm	294	120-150	160
2186-300 *	275-300mm	12µm	319	128-160	170

(mm)



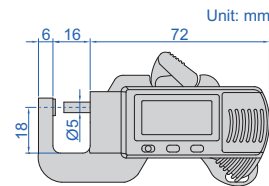
\* Supplied with manufacturer inspection certificate

ATTENTION: NO DATA OUTPUT

DIGITAL SNAP GAUGE



2166-12



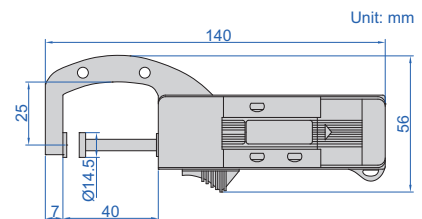
Code	Range	Resolution	Accuracy
2166-12	0-12mm/0-0.5"	0.01mm/0.0005"	±0.03mm

ATTENTION: NO DATA OUTPUT

DIGITAL SNAP GAUGE



2167-25



Code	Range	Resolution	Accuracy
2167-25	0-25mm/0-1"	0.01mm/0.0005"	±0.03mm

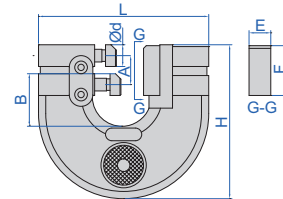


FAST AND ACCURATE  
MEASUREMENT OF CYLINDERS



## ADJUSTABLE SNAP GAUGES

- Used as Go/No-Go gauge by setting upper and lower limits
- Flatness of anvil: 1.5µm
- Parallelism of measuring faces:  
range 0-32mm: 3µm  
range 32-89mm: 4µm  
range 89-300mm: 5µm



2187-19

(mm)

Code	Range	L	A	B	E	F	H	Ød
2187-6	0-6mm	74	15	17.5	12.2	27.2	71.5	7
2187-13	6-13mm	85	15	26	12.2	27.2	79.5	12.3
2187-19	13-19mm	93	15	27	12.2	27.2	83	12.3
2187-25	19-25mm	100	15	33.5	12.2	27.2	89.5	12.3
2187-32	25-32mm	111	18	38.5	15.2	35.2	104	15.3
2187-38	32-38mm	117	18	41.5	15.2	35.2	105	15.3
2187-44	38-44mm	123	18	44.5	15.2	35.2	109	15.3
2187-51	44-51mm	130	18	48	15.2	35.2	117	15.3
2187-57	51-57mm	136	18	45	15.2	35.2	119	15.3
2187-63	57-63mm	143	18	50	15.2	35.2	122	15.3
2187-70	63-70mm	156	20	58	15.2	35.2	132	15.3
2187-76	70-76mm	163	20	60.5	15.2	35.2	137	15.3
2187-82	76-82mm	169	20	64.5	15.2	35.2	140	15.3
2187-89	82-89mm	175	20	66.5	15.2	35.2	146	15.3
2187-95	89-95mm	181	20	69.5	15.2	35.2	149	15.3
2187-101	95-101mm	188	20	70	15.2	35.2	154	15.3
2187-108	101-108mm	198	24	79	15.2	39.2	166	15.3
2187-114	108-114mm	204	24	81	15.2	39.2	172	15.3
2187-120	114-120mm	210	24	86	15.2	39.2	179	15.3
2187-127	120-127mm	217	24	89.5	15.2	39.2	186	15.3
2187-133	127-133mm	223	24	92.5	15.2	39.2	192	15.3
2187-139	133-139mm	229	24	95.5	15.2	39.2	197	15.3
2187-146	139-146mm	235	24	98.5	15.2	39.2	201	15.3
2187-152	146-152mm	242	24	102	15.2	39.2	205	15.3
2187-163	152-163mm	273	21.4	106.7	18.2	39.2	211	18.3
2187-175	163-175mm	273	21.4	106.7	18.2	39.2	211	18.3
2187-188	175-188mm	298.5	21.4	119.7	18.2	39.2	227	18.3
2187-200	188-200mm	298.5	21.4	119.7	18.2	39.2	227	18.3
2187-213	200-213mm	324	21.4	131.7	18.2	39.2	242	18.3
2187-225	213-225mm	324	21.4	131.7	18.2	39.2	242	18.3
2187-238	225-238mm	349.5	21.4	144.7	18.2	39.2	250	18.3
2187-250	238-250mm	349.5	21.4	149	18.2	39.2	250	18.3
2187-263	250-263mm	375.5	21.4	157.7	18.2	39.2	278	18.3
2187-275	263-275mm	375.5	21.4	157.7	18.2	39.2	278	18.3
2187-288	275-288mm	400	21.4	170.7	18.2	39.2	291	18.3
2187-300	288-300mm	400	21.4	170.7	18.2	39.2	291	18.3