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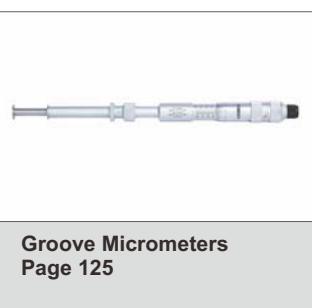
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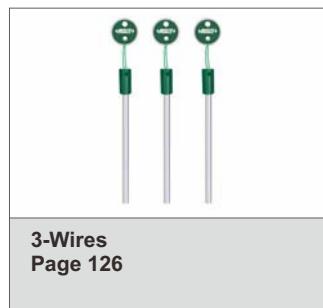
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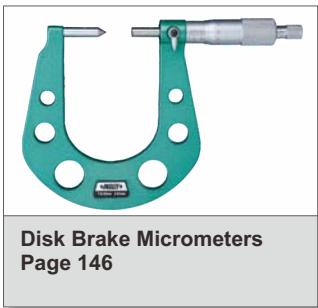
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DIGITAL MICROMETERS/SNAP GAGES

ONE TURN OF SLEEVE MAKES 10MM SPINDLE FEED,
PRESS THE FORK, THE SPINDLE RETRACTS 3MM

MEASUREMENT ACCURACY IS NOT
AFFECTED BY THE USE OF SLEEVE

IP65
WATERPROOF

DATA
OUTPUT

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

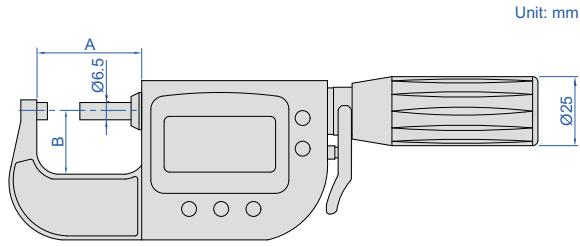
NON-ROTATING
SPINDLE



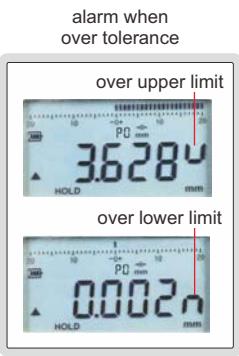
POPULAR
MODEL



3358-25



- Absolute encoder, the original data remains after power off
- Resolution: 0.001mm/0.00005"
- One turn of sleeve makes 10mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Carbide spindle and anvil
- Measuring force 5-10N
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch
- Supplied with gage blocks for zero setting (except 0-25mm/0-1")
- Power: rechargeable battery, for 24 hours continuous working



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



With data interface

Optional accessory:

wireless transmitter, code 7315-3350 need receiver page 6
data output cable (keyboard format), code 7302-3350 page 13

| Code | Range | Accuracy | Repeatability | Measuring faces | | A | B |
|------------|---------------|----------|---------------|-----------------|-------------|-------|--------|
| | | | | flatness | parallelism | | |
| 3358-25 * | 0-25mm/0-1" | 2µm | 1µm | 0.5µm | 1.2µm | 38mm | 24mm |
| 3358-50 * | 25-50mm/1-2" | 2µm | 1µm | 0.5µm | 1.2µm | 64mm | 32.5mm |
| 3358-75 * | 50-75mm/2-3" | 3µm | 1µm | 0.5µm | 1.8µm | 89mm | 46mm |
| 3358-100 * | 75-100mm/3-4" | 3µm | 1µm | 0.5µm | 1.8µm | 114mm | 60mm |

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 | Measuring faces | | A | B |
|--------------|---------------|----------|---------------|-----------------|-------------|-------|--------|
| | | | | flatness | parallelism | | |
| 3358-25WL * | 0-25mm/0-1" | 2µm | 1µm | 0.5µm | 1.2µm | 38mm | 24mm |
| 3358-50WL * | 25-50mm/1-2" | 2µm | 1µm | 0.5µm | 1.2µm | 64mm | 32.5mm |
| 3358-75WL * | 50-75mm/2-3" | 3µm | 1µm | 0.5µm | 1.8µm | 89mm | 46mm |
| 3358-100WL * | 75-100mm/3-4" | 3µm | 1µm | 0.5µm | 1.8µm | 114mm | 60mm |

* Supplied with manufacturer inspection certificate

HIGH PRECISION DIGITAL MICROMETERS/SNAP GAGES

ONE TURN OF SLEEVE MAKES 10MM SPINDLE FEED,
PRESS THE FORK, THE SPINDLE RETRACTS 3MM

MEASUREMENT ACCURACY IS NOT
AFFECTED BY THE USE OF SLEEVE

IP65
WATERPROOF

DATA
OUTPUT

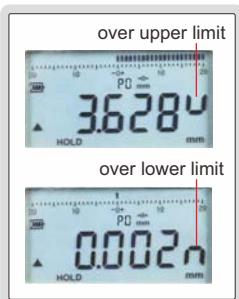
ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

NON-ROTATING
SPINDLE

INSPECTION
CERTIFICATE

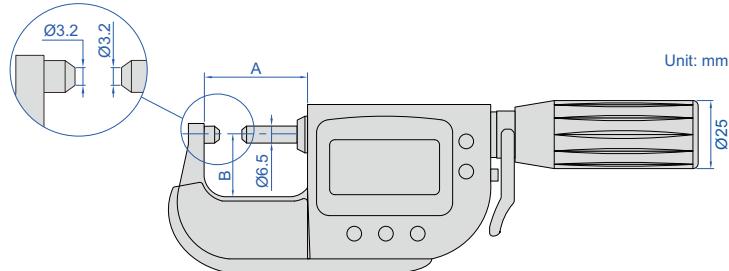
alarm when
over tolerance



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



3359-25



- Absolute encoder, the original data remains after power off
- Resolution: 0.0001mm/0.00001"
- One turn of sleeve makes 10mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Carbide spindle and anvil
- Measuring force 5-10N
- Button function: data output, tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off, zero, mm/inch
- Power: rechargeable battery, for 24 hours continuous working

With data interface

Optional accessory:

wireless transmitter, code 7315-3350 need receiver page 6
data output cable (keyboard format), code 7302-3350 page 13

| Code | Range | Accuracy | Repeatability | Measuring faces | | A | B |
|----------|-------------|----------|---------------|-----------------|-------------|------|------|
| | | | | flatness | parallelism | | |
| 3359-25* | 0-25mm/0-1" | ±0.5µm | 0.3µm | 0.3µm | 0.6µm | 38mm | 24mm |

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 | Measuring faces | | A | B |
|------------|-------------|----------|---------------|-----------------|-------------|------|------|
| | | | | flatness | parallelism | | |
| 3359-25WL* | 0-25mm/0-1" | ±0.5µm | 0.3µm | 0.3µm | 0.6µm | 38mm | 24mm |

* Supplied with manufacturer inspection certificate

HIGH PRECISION DIGITAL MICROMETERS/SNAP GAGES (ADVANCED TYPE)

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

IP65
WATERPROOF

DATA
OUTPUT

ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

NON-ROTATING
SPINDLE

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF



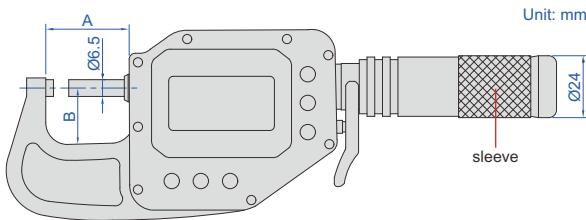
VIDEO

6

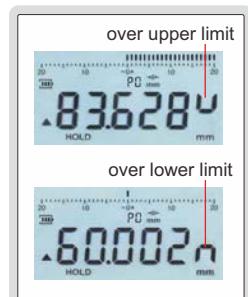
- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001"
0.001mm/0.00005"
0.01mm/0.0005"
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Linear ball bearings 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



3350-25



alarm when
over tolerance



With data interface

Optional accessory:

wireless transmitter, code 7315-3350 need receiver page 6
data output cable (keyboard format), code 7302-3350 page 13

| Code | Range | Accuracy | Repeatability | Measuring faces | | A | B |
|------------|------------------|----------|---------------|-----------------|-------------|-------|------|
| | | | | flatness | parallelism | | |
| 3350-25 * | 0-25mm/0-1" | 1.4µm | 0.6µm | 0.5µm | 1µm | 38mm | 24mm |
| 3350-50 * | 25-50mm/1-2" | 1.6µm | 1µm | 0.5µm | 1µm | 63mm | 28mm |
| 3350-75 * | 50-75mm/2-3" | 1.8µm | 1µm | 0.5µm | 1µm | 88mm | 45mm |
| 3350-100 * | 75-100mm/3-3.95" | 2µm | 1µm | 0.5µm | 1µm | 113mm | 57mm |

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 | Measuring faces | | A | B |
|--------------|------------------|----------|---------------|-----------------|-------------|-------|------|
| | | | | flatness | parallelism | | |
| 3350-25WL * | 0-25mm/0-1" | 1.4µm | 0.6µm | 0.5µm | 1µm | 38mm | 24mm |
| 3350-50WL * | 25-50mm/1-2" | 1.6µm | 1µm | 0.5µm | 1µm | 63mm | 28mm |
| 3350-75WL * | 50-75mm/2-3" | 1.8µm | 1µm | 0.5µm | 1µm | 88mm | 45mm |
| 3350-100WL * | 75-100mm/3-3.95" | 2µm | 1µm | 0.5µm | 1µm | 113mm | 57mm |

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



* Supplied with manufacturer inspection certificate

IP65
WATERPROOF

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

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

ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

NON-ROTATING
SPINDLE

DATA
OUTPUT

MEASUREMENT ACCURACY IS NOT
AFFECTED BY THE USE OF SLEEVE

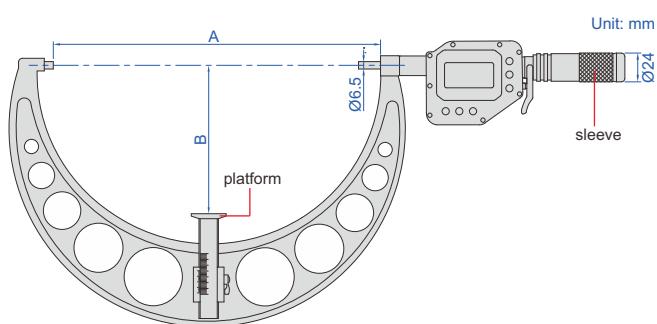


- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.0002mm/0.00001"
- (when the reading exceeds 100mm, the resolution is automatically switched to 0.001mm)
- 0.001mm/0.00005"
- 0.01mm/0.0005
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not 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 5-8N
- 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
- Power: rechargeable battery, for 24 hours continuous working

HIGH PRECISION DIGITAL MICROMETERS/SNAP GAGES



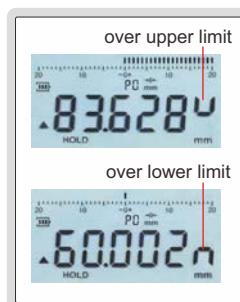
3351-275



gage blocks for zero setting (included)



alarm when
over tolerance



With data interface

Optional accessory:

wireless transmitter, code 7315-3350 need receiver page 6
data output cable (keyboard format), code 7302-3350 page 13

| Code | Range | Accuracy | Repeatability | Measuring faces | | A | B |
|-----------|------------------|----------|---------------|-----------------|-------------|-------|---------|
| | | | | flatness | parallelism | | |
| 3351-125* | 100-125mm/4-5" | 3µm | 1µm | 0.5µm | 2µm | 128mm | 62.5mm |
| 3351-150* | 125-150mm/5-6" | 3µm | 1µm | 0.5µm | 2µm | 153mm | 75mm |
| 3351-175* | 150-175mm/6-7" | 4µm | 1µm | 0.5µm | 2.5µm | 178mm | 87.5mm |
| 3351-200* | 175-200mm/7-8" | 4µm | 1µm | 0.5µm | 2.5µm | 203mm | 100mm |
| 3351-225* | 200-225mm/8-9" | 5µm | 1µm | 0.5µm | 3µm | 228mm | 112.5mm |
| 3351-250* | 225-250mm/9-10" | 5µm | 1µm | 0.5µm | 3µm | 253mm | 125mm |
| 3351-275* | 250-275mm/10-11" | 6µm | 1µm | 0.5µm | 3.5µm | 278mm | 137.5mm |
| 3351-300* | 275-300mm/11-12" | 6µm | 1µm | 0.5µm | 3.5µm | 303mm | 150mm |

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 | Measuring faces | | A | B |
|-------------|------------------|----------|---------------|-----------------|-------------|-------|---------|
| | | | | flatness | parallelism | | |
| 3351-125WL* | 100-125mm/4-5" | 3µm | 1µm | 0.5µm | 2µm | 128mm | 62.5mm |
| 3351-150WL* | 125-150mm/5-6" | 3µm | 1µm | 0.5µm | 2µm | 153mm | 75mm |
| 3351-175WL* | 150-175mm/6-7" | 4µm | 1µm | 0.5µm | 2.5µm | 178mm | 87.5mm |
| 3351-200WL* | 175-200mm/7-8" | 4µm | 1µm | 0.5µm | 2.5µm | 203mm | 100mm |
| 3351-225WL* | 200-225mm/8-9" | 5µm | 1µm | 0.5µm | 3µm | 228mm | 112.5mm |
| 3351-250WL* | 225-250mm/9-10" | 5µm | 1µm | 0.5µm | 3µm | 253mm | 125mm |
| 3351-275WL* | 250-275mm/10-11" | 6µm | 1µm | 0.5µm | 3.5µm | 278mm | 137.5mm |
| 3351-300WL* | 275-300mm/11-12" | 6µm | 1µm | 0.5µm | 3.5µm | 303mm | 150mm |



* Supplied with manufacturer inspection certificate

NON-ROTATING SPINDLE DIGITAL MICROMETERS

INSIZE PLUS
MADE IN EUROPE



QUICK MEASUREMENT
ONE TURN OF SLEEVE OR RATCHET
STOP MAKES 2mm SPINDLE FEED

LEVER FORCE MEASURING DEVICE
SUITABLE FOR MASS MEASUREMENT

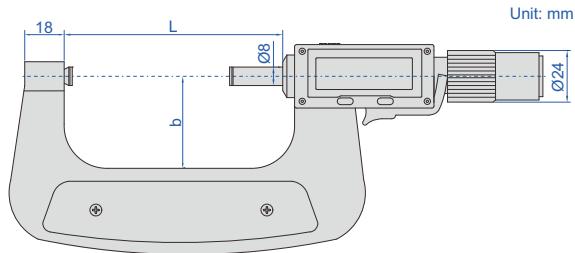
IP65
WATERPROOF

NON-ROTATING
SPINDLE

DATA
OUTPUT



3632-80A



6

- Adjustable resolution: 0.01mm/0.0005", 0.001mm/0.00005", 0.0005mm/0.00002"
- Repeatability: 1µm
- Measuring force: 5-10N
- Lever force measuring device, suitable for mass measurement
- Non-rotating spindle, suitable for measuring cylindrical workpiece
- Quick measurement: one turn of sleeve or ratchet stop makes 2mm spindle feed
- Carbide measuring faces
- Data output
- Button function: mm/inch, max./min. value tracking, preset value, hold, on/off, zero
- Ratchet sets force measurement
- CR2032 battery, automatic power off
- Supplied with setting standards (except 0-30mm/0-1.18")
- Optional accessory: data output cable (code 7315-80 need receiver page 5, 7302-80)

lever force measuring device

press the lever force measuring device, the spindle retracted 1.5mm (MAX). release the force measuring device, the spindle extends, contacts the measured workpiece, and the measured force is constant



| Code | Range | Accuracy | | L | b |
|------------|------------------------|-------------|-------------|-----|-------|
| | | stroke≤25mm | stroke>25mm | | |
| 3632-30A* | 0-30mm/0-1.18" | ±2µm | ±3µm | 38 | 24 |
| 3632-55A* | 25-55mm/0.98-2.17" | ±2µm | ±3µm | 63 | 30.5 |
| 3632-80A* | 50-80mm/1.97-3.15" | ±3µm | ±4µm | 88 | 44 |
| 3632-105A* | 75-105mm/2.95-4.13" | ±3µm | ±4µm | 113 | 57 |
| 3632-130A* | 100-130mm/3.94-5.12" | ±3µm | ±5µm | 138 | 70 |
| 3632-155A* | 125-155mm/4.92-6.1" | ±3µm | ±5µm | 163 | 83 |
| 3632-180A* | 150-180mm/5.91-7.09" | ±4µm | ±6µm | 188 | 96 |
| 3632-205A* | 175-205mm/6.89-8.07" | ±4µm | ±6µm | 213 | 109 |
| 3632-230A* | 200-230mm/7.87-9.06" | ±4µm | ±6µm | 238 | 122 |
| 3632-255A* | 225-255mm/8.86-10.04" | ±4µm | ±6µm | 268 | 135 |
| 3632-280A* | 250-280mm/9.84-11.02" | ±5µm | ±7µm | 293 | 147.5 |
| 3632-305A* | 275-305mm/10.83-12.01" | ±5µm | ±7µm | 318 | 160 |

* Supplied with manufacturer inspection certificate

HIGH PRECISION NON-ROTATING SPINDLE DIGITAL MICROMETERS

INSIZE PLUS
MADE IN EUROPE

QUICK MEASUREMENT
ONE TURN OF SLEEVE OR RATCHET
STOP MAKES 2MM SPINDLE FEED

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

IP65
WATERPROOF

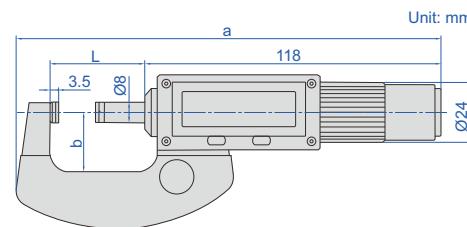
NON-ROTATING
SPINDLE

DATA
OUTPUT

STROKE
30mm



3661-30



6

- Adjustable resolution: 0.01mm/0.0005", 0.001mm/0.00005", 0.0005mm/0.00002"
- Repeatability: 0.5µm
- Measuring force: 5-10N
- Flatness of measuring faces: 0.3µm
- Parallelism of measuring faces: 0.5µm
- Ratchet stop
- Non-rotating spindle, suitable for cylinders
- Quick measurement: one turn of sleeve or ratchet stop makes 2mm spindle feed
- Carbide measuring faces
- Data output
- Button function: mm/inch, max./min. value tracking, preset value, hold, on/off, zero
- CR2032 battery
- Automatic power off, turn the sleeve to turn on
- Optional accessory: setting standards (code 7386),
data output cable (code 7315-80 need receiver page 5, 7302-80)

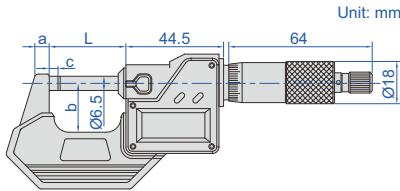
| Code | Range | Accuracy | | L | a | b |
|----------|------------------------|--------------|--------------|-----|-----|-------|
| | | stroke ≤25mm | stroke >25mm | | | |
| 3661-30 | 0-30mm/0-1.18" | ±2µm | ±3µm | 38 | 169 | 24 |
| 3661-55 | 25-55mm/0.98-2.17" | ±2µm | ±3µm | 63 | 195 | 30.5 |
| 3661-80 | 50-80mm/1.97-3.15" | ±3µm | ±4µm | 88 | 228 | 44 |
| 3661-105 | 75-105mm/2.95-4.13" | ±3µm | ±4µm | 113 | 257 | 57 |
| 3661-130 | 100-130mm/3.94-5.12" | ±3µm | ±5µm | 138 | 289 | 70 |
| 3661-155 | 125-155mm/4.92-6.1" | ±3µm | ±5µm | 163 | 315 | 83 |
| 3661-180 | 150-180mm/5.91-7.09" | ±4µm | ±6µm | 188 | 340 | 96 |
| 3661-205 | 175-205mm/6.89-8.07" | ±4µm | ±6µm | 213 | 363 | 109 |
| 3661-230 | 200-230mm/7.87-9.06" | ±4µm | ±6µm | 238 | 388 | 122 |
| 3661-255 | 225-255mm/8.86-10.04" | ±4µm | ±6µm | 268 | 429 | 135 |
| 3661-280 | 250-280mm/9.84-11.02" | ±5µm | ±7µm | 293 | 454 | 147.5 |
| 3661-305 | 275-305mm/10.83-12.01" | ±5µm | ±7µm | 318 | 479 | 160 |

WATERPROOF DIGITAL OUTSIDE MICROMETERS (WITH DATA OUTPUT)

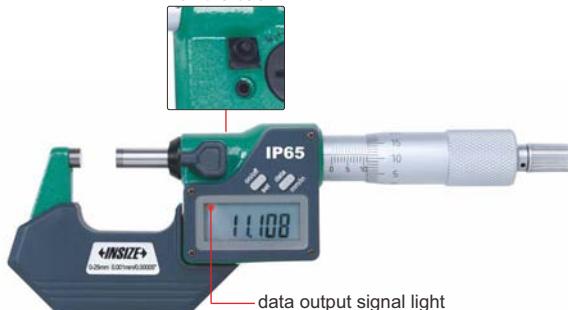
POPULAR
MODEL

**DATA
OUTPUT** **IP65
WATERPROOF**

**INSPECTION
CERTIFICATE**



data output interface
on the back



3101-25A

- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- 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 7315-31 need receiver page 4, 7302-31 page 12)

6

Metric/Inch type (ratchet stop)

(mm)

| Code | Range | Resolution | Accuracy | L | a | b | c |
|------------|------------------|------------------|----------|-------|----|-------|-----|
| 3101-25A* | 0-25mm/0-1" | 0.001mm/0.00005" | ±2µm | 34.5 | 6 | 25 | 3 |
| 3101-50A* | 25-50mm/1-2" | 0.001mm/0.00005" | ±2µm | 59.5 | 8 | 32 | 3 |
| 3101-75A* | 50-75mm/2-3" | 0.001mm/0.00005" | ±3µm | 84.5 | 8 | 44.5 | 3 |
| 3101-100A* | 75-100mm/3-4" | 0.001mm/0.00005" | ±3µm | 109.5 | 8 | 57 | 3 |
| 3101-125A | 100-125mm/4-5" | 0.001mm/0.00005" | ±3µm | 135 | 10 | 70 | 3 |
| 3101-150A | 125-150mm/5-6" | 0.001mm/0.00005" | ±3µm | 160.5 | 10 | 82 | 3 |
| 3101-175A | 150-175mm/6-7" | 0.001mm/0.00005" | ±4µm | 186 | 12 | 94.5 | 5.5 |
| 3101-200A | 175-200mm/7-8" | 0.001mm/0.00005" | ±4µm | 211.5 | 12 | 107 | 5.5 |
| 3101-225A | 200-225mm/8-9" | 0.001mm/0.00005" | ±4µm | 236 | 23 | 129.5 | 5.5 |
| 3101-250A | 225-250mm/9-10" | 0.001mm/0.00005" | ±4µm | 261.5 | 23 | 142.5 | 5.5 |
| 3101-275A | 250-275mm/10-11" | 0.001mm/0.0001" | ±5µm | 287 | 23 | 155 | 5.5 |
| 3101-300A | 275-300mm/11-12" | 0.001mm/0.0001" | ±5µm | 312.5 | 23 | 167.5 | 5.5 |

Metric/Inch type (friction thimble)

(mm)

| Code | Range | Resolution | Accuracy | L | a | b | c |
|------------|-------------|------------------|----------|------|---|----|---|
| 3101-25FA* | 0-25mm/0-1" | 0.001mm/0.00005" | ±2µm | 34.5 | 6 | 25 | 3 |

Metric type (ratchet stop)

(mm)

| Code | Range | Resolution | Accuracy | L | a | b | c |
|-------------|----------|------------|----------|-------|---|------|---|
| 3101-25AJ* | 0-25mm | 0.001mm | ±2µm | 34.5 | 6 | 25 | 3 |
| 3101-50AJ* | 25-50mm | 0.001mm | ±2µm | 59.5 | 8 | 32 | 3 |
| 3101-75AJ* | 50-75mm | 0.001mm | ±3µm | 84.5 | 8 | 44.5 | 3 |
| 3101-100AJ* | 75-100mm | 0.001mm | ±3µm | 109.5 | 8 | 57 | 3 |



Set (ratchet stop type)

| Code | Range | Micrometers included | Packaging |
|-------------|-----------------|--|--------------------|
| 3101-753A* | 0-75mm/0-3" | 3101-25A, 3101-50A, 3101-75A | blow mould case |
| 3101-1004A* | 0-100mm/0-4" | 3101-25A, 3101-50A, 3101-75A, 3101-100A | blow mould case |
| 3101-1506A | 0-150mm/0-6" | 3101-25A, 3101-50A, 3101-75A, 3101-100A, 3101-125A, 3101-150A | aluminum box |
| 3101-3006A | 150-300mm/6-12" | 3101-175A, 3101-200A, 3101-225A, 3101-250A, 3101-275A, 3101-300A | aluminum box |



* Supplied with manufacturer inspection certificate

3101-753A

3101-1506A

WATERPROOF DIGITAL OUTSIDE MICROMETERS (WITHOUT DATA OUTPUT)

IP65
WATERPROOF

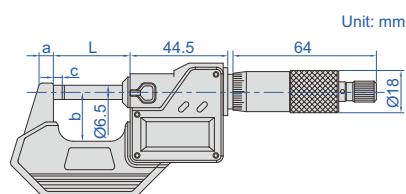
ATTENTION: NO
DATA OUTPUT

**INSPECTION
CERTIFICATE**



3108-25A

- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- Automatic power off
- Carbide measuring faces
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")



6

Ratchet stop type

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



3108-753A

3108-1506A

Set

| Code | Range | Micrometers included | Packaging |
|-------------|--------------|---|-----------------|
| 3108-753A* | 0-75mm/0-3" | 3108-25A, 3108-50A, 3108-75A | blow mould case |
| 3108-1004A* | 0-100mm/0-4" | 3108-25A, 3108-50A, 3108-75A, 3108-100A | blow mould case |
| 3108-1506A | 0-150mm/0-6" | 3108-25A, 3108-50A, 3108-75A, 3108-100A, 3108-125A, 3108-150A | aluminum box |

* Supplied with manufacturer inspection certificate

DIGITAL OUTSIDE MICROMETERS (BASIC TYPE, WITH DATA OUTPUT)



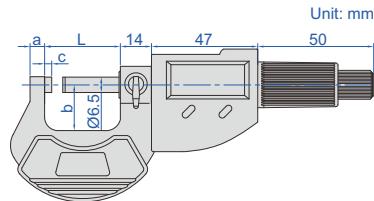
DATA
OUTPUT



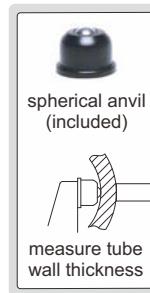
3102-25

6

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, data transmit
- Automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable
(code 7315-30 need receiver page 4, 7302-30 page 12)



| Individual | | | | | | |
|------------|----------------|----------|-----|----|-----|-----|
| Code | Range | Accuracy | L | a | b | c |
| 3102-25 * | 0-25mm/0-1" | ±2µm | 32 | 6 | 24 | 3 |
| 3102-50 * | 25-50mm/1-2" | ±2µm | 57 | 8 | 32 | 3 |
| 3102-75 * | 50-75mm/2-3" | ±3µm | 82 | 8 | 45 | 3 |
| 3102-100 * | 75-100mm/3-4" | ±3µm | 107 | 10 | 57 | 3 |
| 3102-125 | 100-125mm/4-5" | ±3µm | 133 | 10 | 70 | 3 |
| 3102-150 | 125-150mm/5-6" | ±3µm | 158 | 10 | 82 | 3 |
| 3102-175 | 150-175mm/6-7" | ±4µm | 183 | 12 | 95 | 5.5 |
| 3102-200 | 175-200mm/7-8" | ±4µm | 209 | 12 | 107 | 5.5 |



3102-753A



3102-1506A

Set

| Code | Range | Micrometers included | Packaging |
|--------------|--------------|--|-----------------|
| 3102-753A * | 0-75mm/0-3" | 3102-25, 3102-50, 3102-75 | blow mould case |
| 3102-1004A * | 0-100mm/0-4" | 3102-25, 3102-50, 3102-75, 3102-100 | blow mould case |
| 3102-1506A | 0-150mm/0-6" | 3102-25, 3102-50, 3102-75, 3102-100, 3102-125, 3102-150 | aluminum box |

* Supplied with manufacturer inspection certificate

DIGITAL OUTSIDE MICROMETERS (BASIC TYPE, WITHOUT DATA OUTPUT)

POPULAR MODEL

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- Automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")

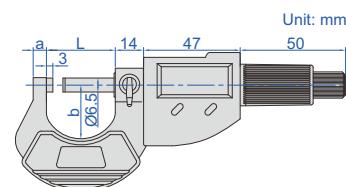


3109-25A

INSPECTION
CERTIFICATEATTENTION: NO
DATA OUTPUT

Individual

| Code | Range | Accuracy | L | a | b |
|------------|------------------|----------|-------|------|-------|
| 3109-25A* | 0-25mm/0-1" | ±2µm | 32mm | 6mm | 28mm |
| 3109-50A* | 25-50mm/1-2" | ±2µm | 57mm | 8mm | 37mm |
| 3109-75A* | 50-75mm/2-3" | ±3µm | 82mm | 8mm | 50mm |
| 3109-100A* | 75-100mm/3-4" | ±3µm | 107mm | 10mm | 61mm |
| 3109-125A | 100-125mm/4-5" | ±3µm | 132mm | 10mm | 73mm |
| 3109-150A | 125-150mm/5-6" | ±3µm | 157mm | 10mm | 85mm |
| 3109-175A | 150-175mm/6-7" | ±4µm | 182mm | 20mm | 104mm |
| 3109-200A | 175-200mm/7-8" | ±4µm | 207mm | 20mm | 117mm |
| 3109-225A | 200-225mm/8-9" | ±4µm | 234mm | 20mm | 130mm |
| 3109-250A | 225-250mm/9-10" | ±4µm | 260mm | 20mm | 143mm |
| 3109-275A | 250-275mm/10-11" | ±5µm | 285mm | 20mm | 155mm |
| 3109-300A | 275-300mm/11-12" | ±5µm | 310mm | 20mm | 168mm |



Set

| Code | Range | Micrometers included | Packaging |
|-------------|-----------------|--|-----------------|
| 3109-753A* | 0-75mm/0-3" | 3109-25A, 3109-50A, 3109-75A | blow mould case |
| 3109-1004A* | 0-100mm/0-4" | 3109-25A, 3109-50A, 3109-75A, 3109-100A | blow mould case |
| 3109-1506A | 0-150mm/0-6" | 3109-25A, 3109-50A, 3109-75A, 3109-100A, 3109-125A, 3109-150A | aluminum box |
| 3109-3006A | 150-300mm/6-12" | 3109-175A, 3109-200A, 3109-225A, 3109-250A, 3109-275A, 3109-300A | aluminum box |



* Supplied with manufacturer inspection certificate

DATA
OUTPUTIP65
WATERPROOFINSPECTION
CERTIFICATE

- Measure the thickness of plates for easy reading
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Carbide spindle tip
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-30 need receiver page 4, 7302-30 page 12)

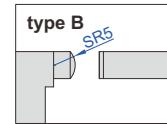
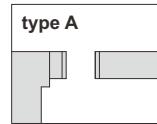
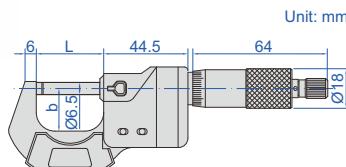
| Code | Range | Type | Accuracy | L | b |
|------------|--------------|------|----------|--------|------|
| 3565-25A* | 0-25mm/0-1" | A | ±2µm | 34.5mm | 25mm |
| 3565-50A* | 25-50mm/1-2" | A | ±2µm | 59.5mm | 32mm |
| 3565-25BA* | 0-25mm/0-1" | B | ±2µm | 34.5mm | 25mm |
| 3565-50BA* | 25-50mm/1-2" | B | ±2µm | 59.5mm | 32mm |

* Supplied with manufacturer inspection certificate

DIGITAL VERTICAL MICROMETERS



3565-25A



OUTSIDE MICROMETERS

INSIZE PLUS
MADE IN EUROPE

- Carbide measuring faces
- Graduation: 0.01mm
- Meet DIN863-1
- Friction thimble
- Optional accessory: setting standards (code 7386)

| Code | Range | Accuracy | L | b |
|------------|-----------|----------|-------|-------|
| 3701-25A* | 0-25mm | 4µm | 37mm | 24mm |
| 3701-50A* | 25-50mm | 4µm | 62mm | 34mm |
| 3701-75A* | 50-75mm | 5µm | 87mm | 46mm |
| 3701-100A* | 75-100mm | 5µm | 112mm | 60mm |
| 3701-125A* | 100-125mm | 6µm | 139mm | 72mm |
| 3701-150A* | 125-150mm | 6µm | 164mm | 85mm |
| 3701-175A* | 150-175mm | 7µm | 190mm | 97mm |
| 3701-200A* | 175-200mm | 7µm | 215mm | 110mm |
| 3701-225A* | 200-225mm | 8µm | 240mm | 122mm |
| 3701-250A* | 225-250mm | 8µm | 264mm | 135mm |
| 3701-275A* | 250-275mm | 9µm | 290mm | 148mm |
| 3701-300A* | 275-300mm | 9µm | 315mm | 160mm |

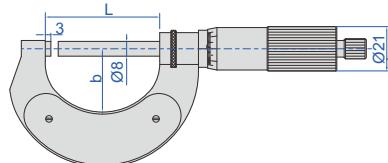
ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

**INSPECTION
CERTIFICATE**



3701-25A

Unit: mm



* Supplied with manufacturer inspection certificate

OUTSIDE MICROMETERS WITH 50mm RANGE

INSIZE PLUS
MADE IN EUROPE

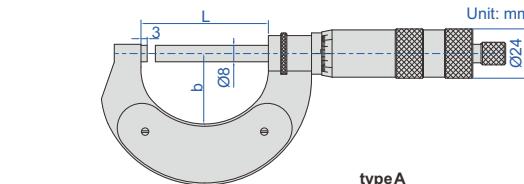
- Graduation 0.01mm
- Ratchet stop
- One turn of sleeve makes 1mm spindle feed
- Carbide measuring faces
- Optional accessory: setting standards (code 7386)

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

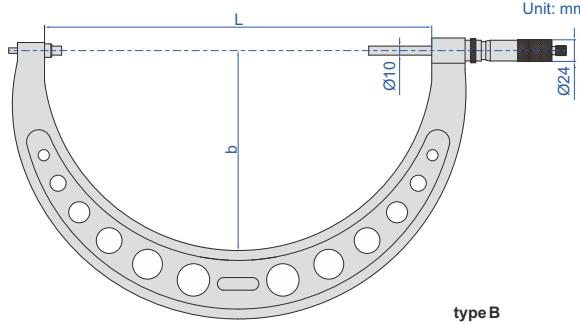
**LIGHT
WEIGHT**



3682-50



type A



type B

| Code | Range | Type | Accuracy | L | b | Weight |
|-----------|------------|------|----------|------|-----|--------|
| 3682-50 | 0-50mm | A | 4µm | 62 | 34 | 0.46kg |
| 3682-100 | 50-100mm | A | 5µm | 112 | 60 | 0.62kg |
| 3682-150 | 100-150mm | A | 6µm | 164 | 85 | 0.78kg |
| 3682-200 | 150-200mm | A | 7µm | 215 | 110 | 1.03kg |
| 3682-250 | 200-250mm | A | 8µm | 264 | 135 | 1.25kg |
| 3682-300 | 250-300mm | A | 9µm | 315 | 160 | 1.45kg |
| 3682-350 | 300-350mm | B | 10µm | 370 | 190 | 1.50kg |
| 3682-400 | 350-400mm | B | 11µm | 430 | 220 | 1.80kg |
| 3682-450 | 400-450mm | B | 12µm | 475 | 250 | 2.15kg |
| 3682-500 | 450-500mm | B | 13µm | 530 | 273 | 2.30kg |
| 3682-550 | 500-550mm | B | 14µm | 570 | 291 | 2.40kg |
| 3682-600 | 550-600mm | B | 14µm | 630 | 323 | 3.00kg |
| 3682-650 | 600-650mm | B | 16µm | 675 | 351 | 3.30kg |
| 3682-700 | 650-700mm | B | 16µm | 730 | 378 | 3.70kg |
| 3682-750 | 700-750mm | B | 18µm | 785 | 401 | 3.90kg |
| 3682-800 | 750-800mm | B | 18µm | 830 | 423 | 4.10kg |
| 3682-850 | 800-850mm | B | 20µm | 885 | 440 | 4.30kg |
| 3682-900 | 850-900mm | B | 20µm | 930 | 473 | 4.90kg |
| 3682-950 | 900-950mm | B | 22µm | 980 | 503 | 5.80kg |
| 3682-1000 | 950-1000mm | B | 22µm | 1030 | 520 | 6.10kg |

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

OUTSIDE MICROMETERS (GRADUATION 0.005mm)

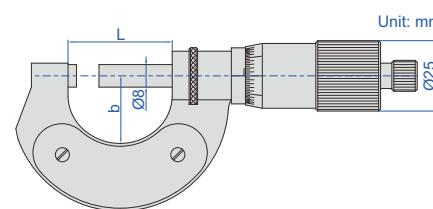
INSIZE PLUS
MADE IN EUROPE

- Graduation 0.005mm
- Friction thimble
- One turn of sleeve makes 0.5mm spindle feed
- Carbide measuring faces
- Optional accessory: setting standards (code 7386)



3681-25

| Code | Range | Accuracy | L | b | (mm) |
|----------|-----------|----------|-----|-----|------|
| 3681-25 | 0-25mm | 4µm | 37 | 24 | |
| 3681-50 | 25-50mm | 4µm | 62 | 34 | |
| 3681-75 | 50-75mm | 5µm | 87 | 46 | |
| 3681-100 | 75-100mm | 5µm | 112 | 60 | |
| 3681-125 | 100-125mm | 6µm | 139 | 72 | |
| 3681-150 | 125-150mm | 6µm | 164 | 85 | |
| 3681-175 | 150-175mm | 7µm | 190 | 97 | |
| 3681-200 | 175-200mm | 7µm | 215 | 110 | |
| 3681-225 | 200-225mm | 8µm | 240 | 122 | |
| 3681-250 | 225-250mm | 8µm | 264 | 135 | |
| 3681-275 | 250-275mm | 9µm | 290 | 148 | |
| 3681-300 | 275-300mm | 9µm | 315 | 160 | |



6

OUTSIDE MICROMETERS

**INSPECTION
CERTIFICATE**

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

Individual

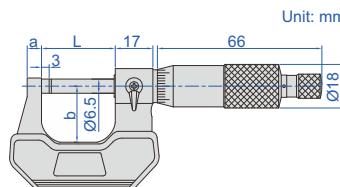
| Code | Range | Accuracy | L | a | b |
|------------|-----------|----------|-------|-----|-------|
| 3202-25A* | 0-25mm | 4µm | 32mm | 6mm | 24mm |
| 3202-50A* | 25-50mm | 4µm | 57mm | 8mm | 32mm |
| 3202-75A* | 50-75mm | 5µm | 82mm | 8mm | 45mm |
| 3202-100A* | 75-100mm | 5µm | 107mm | 8mm | 57mm |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



3202-25A

Set

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



* Supplied with manufacturer inspection certificate

OUTSIDE MICROMETERS

POPULAR MODEL

INSPECTION
CERTIFICATE

3203-25A



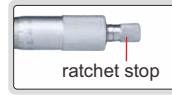
3203-50A



3203-1004A



3203-3006A

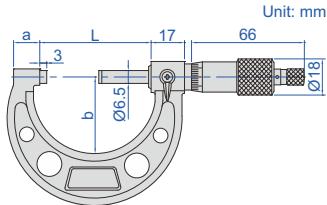


ratchet stop

friction thimble
for one hand
operation

6

- Graduation: metric 0.01mm
inch 0.0001"
- 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 | $\pm 2\mu\text{m}$ | 32mm | 9mm | 28mm |
| 3203-50A* | 25-50mm | $\pm 2\mu\text{m}$ | 57mm | 14mm | 38mm |
| 3203-75A* | 50-75mm | $\pm 2\mu\text{m}$ | 82mm | 15mm | 49mm |
| 3203-100A* | 75-100mm | $\pm 3\mu\text{m}$ | 107mm | 15mm | 60mm |
| 3203-125A | 100-125mm | $\pm 3\mu\text{m}$ | 133mm | 16.5mm | 73mm |
| 3203-150A | 125-150mm | $\pm 3\mu\text{m}$ | 158mm | 16.5mm | 85mm |
| 3203-175A | 150-175mm | $\pm 4\mu\text{m}$ | 183mm | 19.4mm | 104mm |
| 3203-200A | 175-200mm | $\pm 4\mu\text{m}$ | 209mm | 19.4mm | 117mm |
| 3203-225A | 200-225mm | $\pm 4\mu\text{m}$ | 234mm | 19.4mm | 130mm |
| 3203-250A | 225-250mm | $\pm 5\mu\text{m}$ | 260mm | 19.4mm | 142mm |
| 3203-275A | 250-275mm | $\pm 5\mu\text{m}$ | 285mm | 19.4mm | 155mm |
| 3203-300A | 275-300mm | $\pm 5\mu\text{m}$ | 310mm | 19.4mm | 168mm |

Inch (ratchet stop type)

| Code | Range | Accuracy | L | a | b |
|----------|--------|----------------|---------|--------|--------|
| 3203-1A* | 0-1" | $\pm 0.0001"$ | 1.260" | 0.354" | 1.102" |
| 3203-2A* | 1-2" | $\pm 0.0001"$ | 2.244" | 0.551" | 1.496" |
| 3203-3A* | 2-3" | $\pm 0.0001"$ | 3.228" | 0.591" | 1.929" |
| 3203-4A* | 3-4" | $\pm 0.00015"$ | 4.213" | 0.591" | 2.362" |
| 3203-5A* | 4-5" | $\pm 0.00015"$ | 5.236" | 0.650" | 2.874" |
| 3203-6A* | 5-6" | $\pm 0.00015"$ | 6.220" | 0.650" | 3.346" |
| 3203-7A | 6-7" | $\pm 0.0002"$ | 7.205" | 0.764" | 4.094" |
| 3203-8A | 7-8" | $\pm 0.0002"$ | 8.228" | 0.764" | 4.606" |
| 3203-9A | 8-9" | $\pm 0.0002"$ | 9.213" | 0.764" | 5.118" |
| 3203-10A | 9-10" | $\pm 0.00025"$ | 10.236" | 0.764" | 5.591" |
| 3203-11A | 10-11" | $\pm 0.00025"$ | 11.220" | 0.764" | 6.102" |
| 3203-12A | 11-12" | $\pm 0.00025"$ | 12.205" | 0.764" | 6.614" |

Metric micrometer set (ratchet stop type)

| Code | Range | Micrometers included | Packaging |
|-------------|-----------|---|--------------------|
| 3203-753A* | 0-75mm | 3203-25A, 3203-50A, 3203-75A | blow mould case |
| 3203-1004A* | 0-100mm | 3203-25A, 3203-50A, 3203-75A, 3203-100A | blow mould case |
| 3203-1506A | 0-150mm | 3203-25A, 3203-50A, 3203-75A, 3203-100A, 3203-125A, 3203-150A | blow mould case |
| 3203-3006A | 150-300mm | 3203-175A, 3203-200A, 3203-225A, 3203-250A, 3203-275A, 3203-300A | aluminum box |
| 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 | aluminum box |

Inch micrometer set (ratchet stop type)

| Code | Range | Micrometers included | Packaging |
|------------|-------|--|--------------------|
| 3203-33A* | 0-3" | 3203-1A, 3203-2A, 3203-3A | blow mould case |
| 3203-44A* | 0-4" | 3203-1A, 3203-2A, 3203-3A, 3203-4A | blow mould case |
| 3203-66A* | 0-6" | 3203-1A, 3203-2A, 3203-3A, 3203-4A, 3203-5A, 3203-6A | blow mould case |
| 3203-126A | 6-12" | 3203-7A, 3203-8A, 3203-9A, 3203-10A, 3203-11A, 3203-12A | aluminum box |
| 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 | aluminum box |

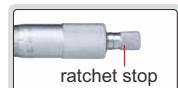
Inch (friction thimble type)

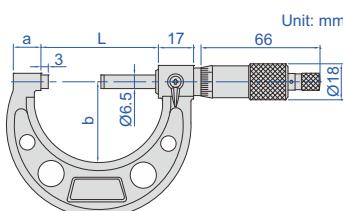
| Code | Range | Accuracy | L | a | b |
|-----------|-------|---------------|--------|--------|--------|
| 3203-1FA* | 0-1" | $\pm 0.0001"$ | 1.260" | 0.354" | 1.102" |
| 3203-2FA* | 1-2" | $\pm 0.0001"$ | 2.244" | 0.551" | 1.496" |
| 3203-3FA* | 2-3" | $\pm 0.0001"$ | 2.244" | 0.591" | 1.929" |

* Supplied with manufacturer inspection certificate

**INSPECTION
CERTIFICATE**
1µm GRADUATION OUTSIDE MICROMETERS

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


3210-25A

ratchet stop

**friction thimble
for one hand
operation**

Ratchet stop type

| Code | Range | Accuracy | L | a | b | (mm) |
|------------|-----------|----------|-----|------|-----|------|
| 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 | |

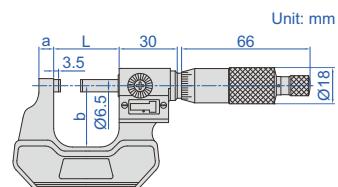
Micrometer set (ratchet stop type)

| 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

**INSPECTION
CERTIFICATE**
OUTSIDE MICROMETERS WITH COUNTER

- Counter resolution: 0.01mm
- Thimble graduation: 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)


3400-25


| Code | Range | Accuracy | L | a | b |
|------------|-----------|----------|---------|------|---------|
| 3400-25 * | 0-25mm | 4µm | 32mm | 6mm | 26mm |
| 3400-50 * | 25-50mm | 4µm | 57mm | 8mm | 32mm |
| 3400-75 * | 50-75mm | 5µm | 82mm | 8mm | 44.5mm |
| 3400-100 * | 75-100mm | 5µm | 107mm | 8mm | 57mm |
| 3400-125 * | 100-125mm | 6µm | 132.4mm | 17mm | 71.8mm |
| 3400-150 * | 125-150mm | 6µm | 157.8mm | 17mm | 84mm |
| 3400-175 * | 150-175mm | 7µm | 185mm | 20mm | 98.5mm |
| 3400-200 * | 175-200mm | 7µm | 210.4mm | 20mm | 111mm |
| 3400-225 * | 200-225mm | 8µm | 236mm | 20mm | 124mm |
| 3400-250 * | 225-250mm | 8µm | 261mm | 20mm | 136.5mm |
| 3400-275 * | 250-275mm | 9µm | 287mm | 20mm | 149mm |
| 3400-300 * | 275-300mm | 9µm | 312mm | 20mm | 162mm |

* Supplied with manufacturer inspection certificate

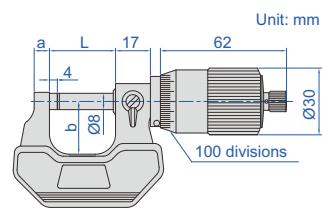
QUICK FEEDING OUTSIDE MICROMETERS

- 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

| Code | Range | Accuracy | L | a | b |
|-----------|-----------|----------|-------|-----|-------|
| 3208-25B | 0-25mm | 4µm | 32mm | 6mm | 24mm |
| 3208-50B | 25-50mm | 4µm | 57mm | 8mm | 32mm |
| 3208-75B | 50-75mm | 5µm | 82mm | 8mm | 45mm |
| 3208-100B | 75-100mm | 5µm | 107mm | 8mm | 57mm |
| 3208-125B | 100-125mm | 6µm | 133mm | 8mm | 70mm |
| 3208-150B | 125-150mm | 6µm | 158mm | 8mm | 82mm |
| 3208-175B | 150-175mm | 7µm | 183mm | 8mm | 95mm |
| 3208-200B | 175-200mm | 7µm | 209mm | 8mm | 107mm |



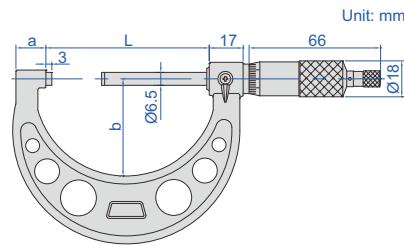
6

LONG SPINDLE OUTSIDE MICROMETERS

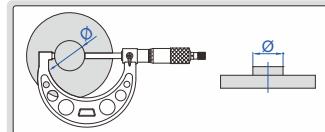
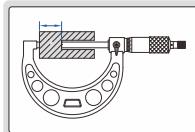
- Graduation 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



3209-25



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



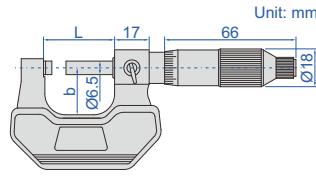
NON MAGNETIC MICROMETERS

- Suitable for magnetic materials
- Graduation: 0.01mm
- Non magnetic carbide measuring faces
- Ratchet stop



3231-25A

| Code | Range | Accuracy | L | b |
|-----------|----------|----------|-------|------|
| 3231-25A | 0-25mm | 4µm | 32mm | 24mm |
| 3231-50A | 25-50mm | 4µm | 57mm | 32mm |
| 3231-75A | 50-75mm | 5µm | 82mm | 45mm |
| 3231-100A | 75-100mm | 5µm | 105mm | 57mm |



OUTSIDE MICROMETERS FOR LEFT OR RIGHT HANDERS

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



front

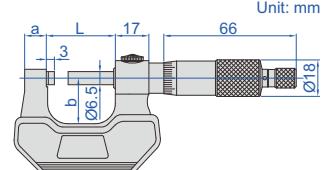


back

3236-25B

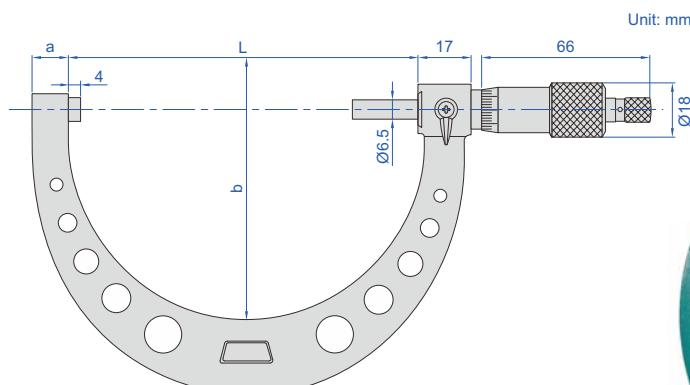
| Code | Range | Accuracy | L | a | b |
|-----------|-----------|----------|-----|---|-----|
| 3236-25B | 0-25mm | 4µm | 32 | 6 | 24 |
| 3236-50B | 25-50mm | 4µm | 57 | 8 | 32 |
| 3236-75B | 50-75mm | 5µm | 82 | 8 | 45 |
| 3236-100B | 75-100mm | 5µm | 107 | 8 | 57 |
| 3236-125B | 100-125mm | 6µm | 133 | 8 | 70 |
| 3236-150B | 125-150mm | 6µm | 158 | 8 | 82 |
| 3236-175B | 150-175mm | 7µm | 183 | 8 | 95 |
| 3236-200B | 175-200mm | 7µm | 209 | 8 | 107 |

Unit: mm



6

OUTSIDE MICROMETERS



- Graduation: 0.01mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards

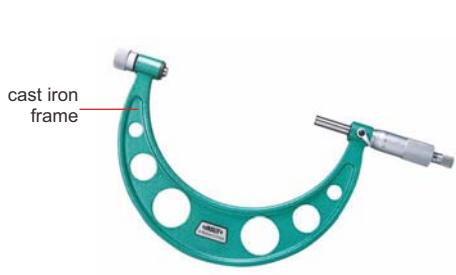
3216-425

| Code | Range | Accuracy | L | a | b |
|----------|-----------|----------|-----|----|-----|
| 3216-325 | 300-325mm | 10µm | 338 | 20 | 176 |
| 3216-350 | 325-350mm | 10µm | 364 | 20 | 192 |
| 3216-375 | 350-375mm | 11µm | 389 | 20 | 202 |
| 3216-400 | 375-400mm | 11µm | 414 | 20 | 217 |
| 3216-425 | 400-425mm | 12µm | 440 | 20 | 226 |
| 3216-450 | 425-450mm | 12µm | 465 | 20 | 241 |
| 3216-475 | 450-475mm | 13µm | 491 | 20 | 255 |
| 3216-500 | 475-500mm | 13µm | 516 | 20 | 268 |

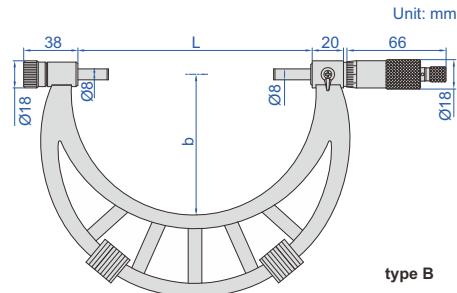
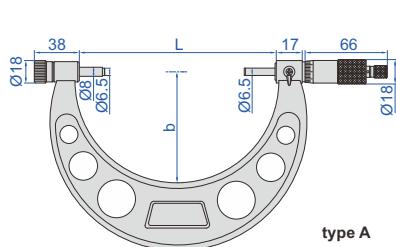


setting standard (included)

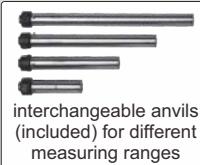
OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS



6



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



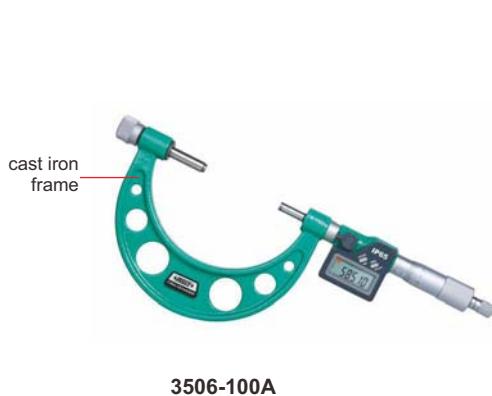
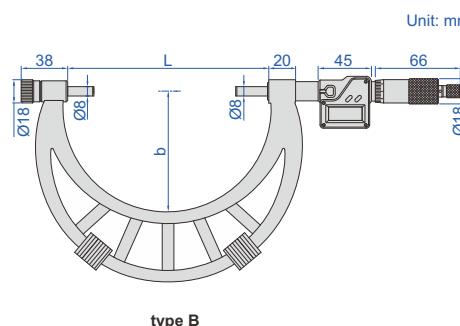
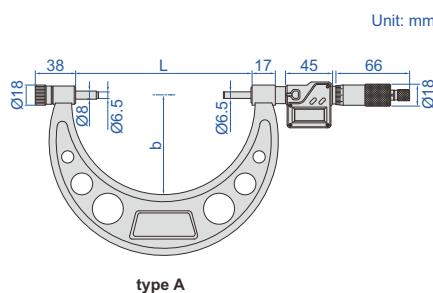
(mm)

| 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


6


- 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, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code **7315-31** need receiver page 4, **7302-31** page 12)


(mm)

| 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 INTERCHANGEABLE ANVILS

INSIZE PLUS
MADE IN EUROPE

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

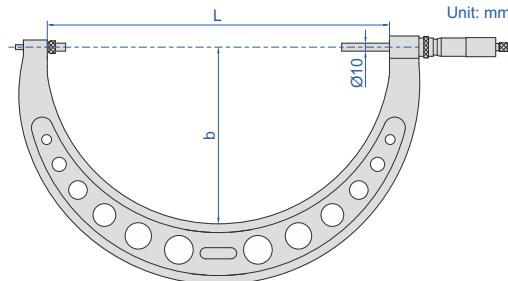
LIGHT
WEIGHT

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

6



3675-300



interchangeable anvil (included)
for different measuring ranges

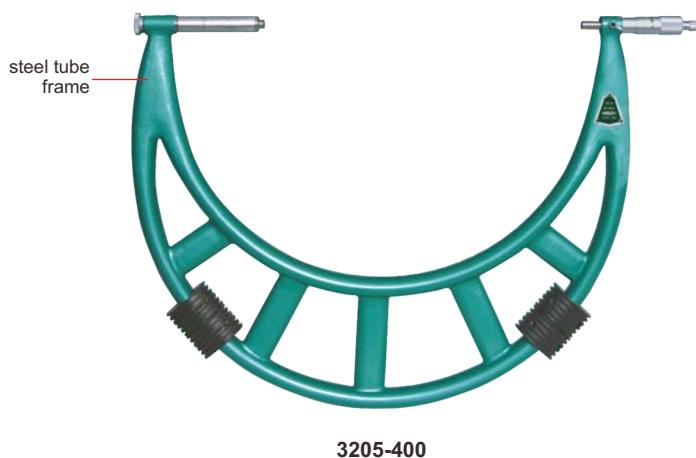
- Graduation 0.01mm
- Ratchet stop
- Meet DIN863-3
- Carbide measuring faces
- Light weight
- Optional accessory: setting standards (code 7386)



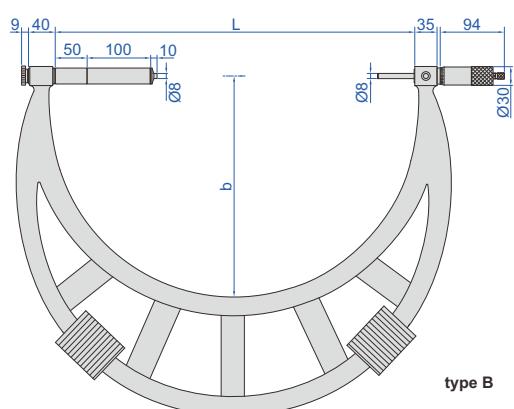
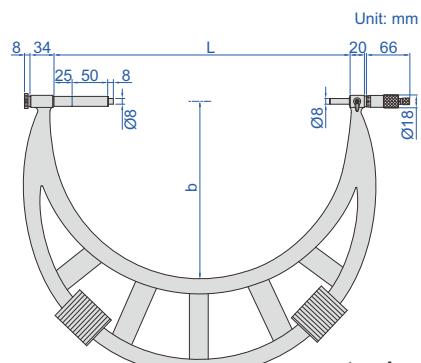
(mm)

| Code | Range | Accuracy | L | b | Weight |
|-----------|-------------|----------|------|------|--------|
| 3675-200 | 100-200mm | 6µm | 240 | 122 | 1.2kg |
| 3675-300 | 200-300mm | 6µm | 325 | 165 | 1.5kg |
| 3675-400 | 300-400mm | 7µm | 430 | 220 | 1.9kg |
| 3675-500 | 400-500mm | 8µm | 530 | 273 | 2.4kg |
| 3675-600 | 500-600mm | 9µm | 630 | 323 | 3.1kg |
| 3675-700 | 600-700mm | 9µm | 730 | 378 | 3.8kg |
| 3675-800 | 700-800mm | 9µm | 830 | 423 | 4.2kg |
| 3675-900 | 800-900mm | 10µm | 930 | 473 | 5kg |
| 3675-1000 | 900-1000mm | 10µm | 1030 | 520 | 6.2kg |
| 3675-1100 | 1000-1100mm | 11µm | 1135 | 585 | 7.6kg |
| 3675-1200 | 1100-1200mm | 11µm | 1230 | 635 | 8.6kg |
| 3675-1300 | 1200-1300mm | 12µm | 1335 | 685 | 9.7kg |
| 3675-1400 | 1300-1400mm | 12µm | 1430 | 735 | 11.3kg |
| 3675-1500 | 1400-1500mm | 13µm | 1530 | 780 | 12.5kg |
| 3675-1600 | 1500-1600mm | 18µm | 1660 | 840 | 13.6kg |
| 3675-1700 | 1600-1700mm | 19µm | 1765 | 890 | 14.9kg |
| 3675-1800 | 1700-1800mm | 20µm | 1870 | 940 | 16.2kg |
| 3675-1900 | 1800-1900mm | 21µm | 1970 | 1000 | 17.5kg |
| 3675-2000 | 1900-2000mm | 22µm | 2075 | 1055 | 18.8kg |

OUTSIDE MICROMETERS WITH EXTENSION ANVIL COLLAR



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

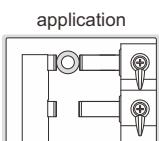


| Code | Range | Type | Accuracy | L | b | Setting standard (included) |
|-----------|-------------|------|----------|------|------|-----------------------------|
| 3205-400 | 300-400mm | A | 11µm | 410 | 250 | 325, 375 |
| 3205-500 | 400-500mm | A | 13µm | 510 | 295 | 425, 475 |
| 3205-600 | 500-600mm | 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 |



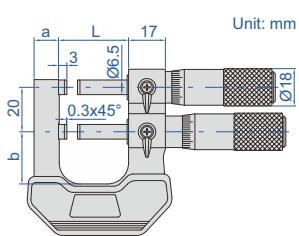
adjust collars for different measuring ranges

- Used as Go/No-Go gage 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 |



INDICATING MICROMETERS

INSIZE PLUS
MADE IN EUROPE

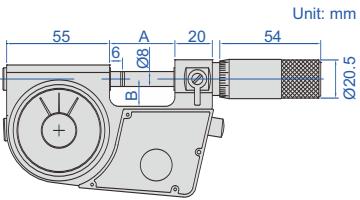
**INSPECTION
CERTIFICATE**

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

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



3333-25



(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

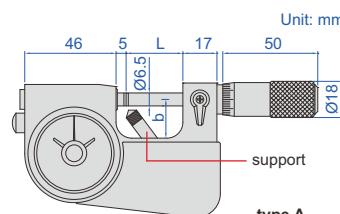
INDICATING MICROMETERS

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

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



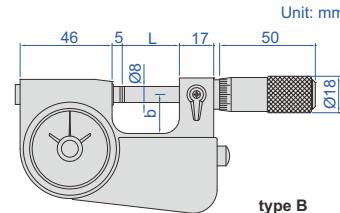
3332-25



support



3332-25B



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 |

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

LIGHT WEIGHT

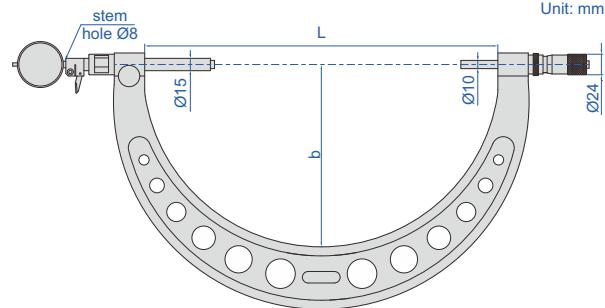
MICROMETERS WITH DIAL INDICATOR

INSIZE PLUS
MADE IN EUROPE

digital indicator
is optional



3685-300



6

- 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

| Code | Range | Micrometer head accuracy | L | b | Weight (mm) |
|-----------|------------|--------------------------|------|-----|-------------|
| 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

| Code | Range | Micrometer head accuracy | L | b | Weight (mm) |
|-----------|-------------|--------------------------|------|------|-------------|
| 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

INSIZE PLUS
MADE IN EUROPE

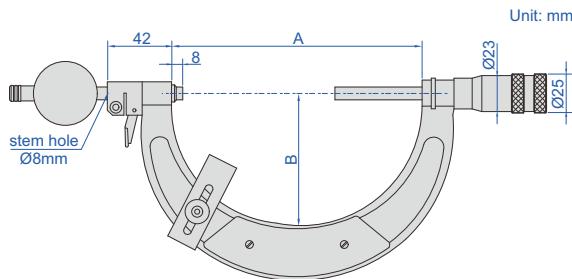
ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED



digital indicator
is optional



3346-25



6

| Code | Micrometer head range | Micrometer head graduation | Micrometer head accuracy | A | B | (mm) |
|-----------|-----------------------|----------------------------|--------------------------|-----|-----|------|
| 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 | |

* Supplied with manufacturer inspection certificate

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

MICROMETERS WITH DIAL INDICATOR

ATTENTION: NOT SUITABLE
FOR 0.001MM DIAL INDICATORS

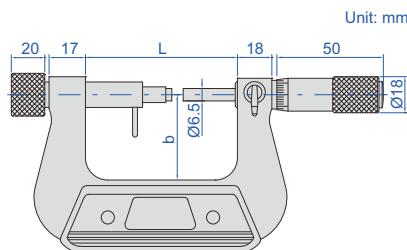
- Meet DIN863-3
- Micrometer head graduation 0.01mm
- Anvil retracting range: 8mm
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)
- Optional accessory: dial indicators (graduation 0.01mm), digital indicators (resolution 0.01mm/0.0005")



digital indicator
is optional

3331-25A

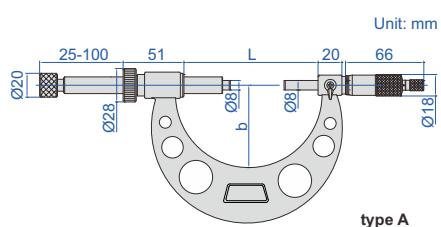
| Code | Micrometer head range | Micrometer head accuracy | L | b |
|-----------|-----------------------|--------------------------|---------|--------|
| 3331-25A | 0-25mm | 4µm | 67mm | 38mm |
| 3331-50A | 25-50mm | 4µm | 92.4mm | 50mm |
| 3331-75A | 50-75mm | 5µm | 117.6mm | 62mm |
| 3331-100A | 75-100mm | 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: NOT SUITABLE
FOR 0.001MM DIAL INDICATORS

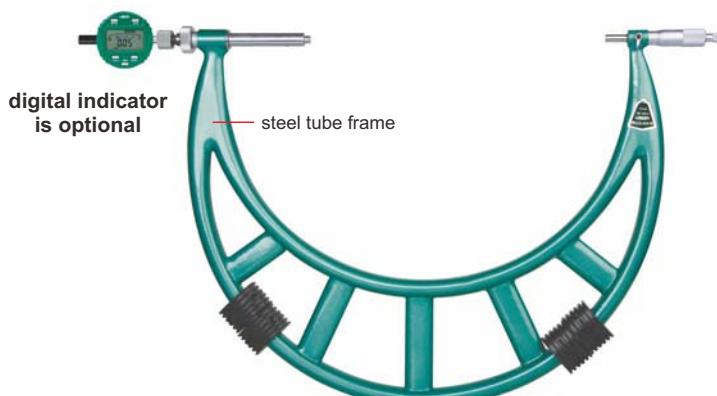


3296-100A

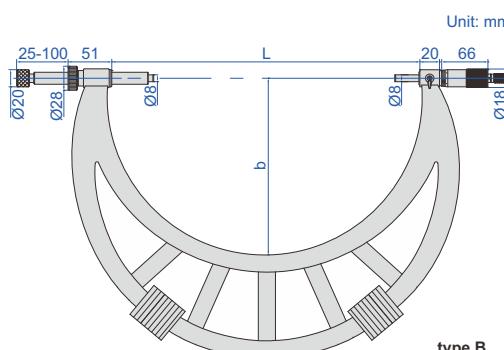


type A

MICROMETERS WITH DIAL INDICATOR



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 |

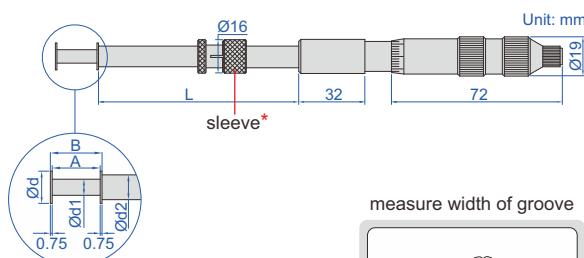
- Meet DIN863-3
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: dial indicators (graduation 0.01mm)
digital indicators (resolution 0.01mm/0.0005")

GROOVE MICROMETERS



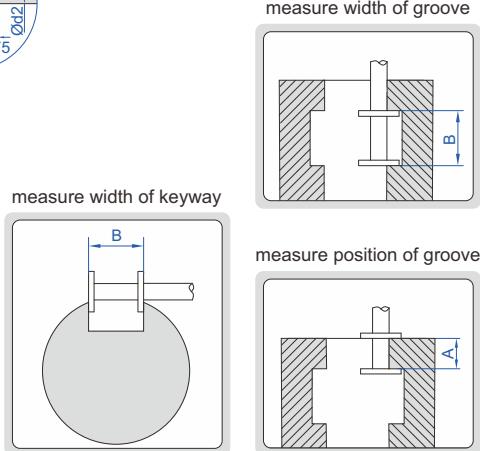
3287-50B

- 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



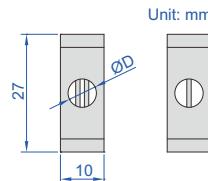
3-WIRES



- Used with standard outside micrometers 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



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

| Code | Pin gage diameter | Applicable pitch |
|----------|---|----------------------|
| 7382-11 | Ø0.170mm | 0.2mm, 0.25mm, 0.3mm |
| 7382-12 | Ø0.195mm | 0.35mm |
| 7382-13 | Ø0.220mm | 0.4mm |
| 7382-14 | Ø0.250mm | 0.45mm |
| 7382-15 | Ø0.290mm | 0.5mm |
| 7382-16 | Ø0.335mm | 0.6mm |
| 7382-17 | Ø0.390mm | 0.7mm |
| 7382-18 | Ø0.455mm | 0.75mm, 0.8mm |
| 7382-19 | Ø0.530mm | 0.9mm |
| 7382-110 | Ø0.620mm | 1.0mm |
| 7382-111 | Ø0.725mm | 1.25mm |
| 7382-112 | Ø0.895mm | 1.5mm |
| 7382-113 | Ø1.100mm | 1.75mm, 2.0mm |
| 7382-114 | Ø1.350mm | 2.5mm |
| 7382-115 | Ø1.650mm | 3.0mm |
| 7382-116 | Ø2.050mm | 3.5mm |
| 7382-117 | Ø2.550mm | 4mm, 4.5mm |
| 7382-118 | Ø3.200mm | 5mm, 5.5mm, 6mm |
| 7382-1S | 18 pairs/set, including all above 3-wires | |

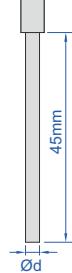
For outside micrometers with spindle Ø6.50mm (ØD)

| Code | Pin gage diameter | Applicable pitch |
|----------|---|----------------------|
| 7382-21 | Ø0.170mm | 0.2mm, 0.25mm, 0.3mm |
| 7382-22 | Ø0.195mm | 0.35mm |
| 7382-23 | Ø0.220mm | 0.4mm |
| 7382-24 | Ø0.250mm | 0.45mm |
| 7382-25 | Ø0.290mm | 0.5mm |
| 7382-26 | Ø0.335mm | 0.6mm |
| 7382-27 | Ø0.390mm | 0.7mm |
| 7382-28 | Ø0.455mm | 0.75mm, 0.8mm |
| 7382-29 | Ø0.530mm | 0.9mm |
| 7382-210 | Ø0.620mm | 1.0mm |
| 7382-211 | Ø0.725mm | 1.25mm |
| 7382-212 | Ø0.895mm | 1.5mm |
| 7382-213 | Ø1.100mm | 1.75mm, 2.0mm |
| 7382-214 | Ø1.350mm | 2.5mm |
| 7382-215 | Ø1.650mm | 3.0mm |
| 7382-216 | Ø2.050mm | 3.5mm |
| 7382-217 | Ø2.550mm | 4mm, 4.5mm |
| 7382-218 | Ø3.200mm | 5mm, 5.5mm, 6mm |
| 7382-2S | 18 pairs/set, including all above 3-wires | |

3-WIRES



CUSTOMIZABLE
DIAMETER Ød



7394-75A

- $\text{Ød} \leq 0.3\text{mm}$, made of alloy steel, hardness HRC60;
- $\text{Ød} > 0.3\text{mm}$, made of carbide, hardness HRA90
- Diameter accuracy: $\pm 0.5\mu\text{m}$
- Cylindricity: $\pm 0.5\mu\text{m}$
- Supplied with manufacturer inspection certificate

| Code | Diameter (Ød) | Applicable pitch |
|-----------|--------------------------|----------------------|
| 7394-60A* | 0.170mm | 0.2mm, 0.25mm, 0.3mm |
| 7394-61A* | 0.195mm | 0.35mm |
| 7394-62A* | 0.220mm | 0.4mm |
| 7394-63A* | 0.250mm | 0.45mm |
| 7394-64A* | 0.290mm | 0.5mm |
| 7394-65A | 0.335mm | 0.6mm |
| 7394-66A | 0.390mm | 0.7mm |
| 7394-67A | 0.455mm | 0.75mm, 0.8mm |
| 7394-68A | 0.530mm | 0.9mm |
| 7394-69A | 0.620mm | 1.0mm |
| 7394-70A | 0.725mm | 1.25mm |
| 7394-71A | 0.895mm | 1.5mm |
| 7394-72A | 1.100mm | 1.75mm, 2.0mm |
| 7394-73A | 1.350mm | 2.5mm |
| 7394-74A | 1.650mm | 3.0mm |
| 7394-75A | 2.050mm | 3.5mm |
| 7394-76A | 2.550mm | 4mm, 4.5mm |
| 7394-77A | 3.200mm | 5mm, 5.5mm, 6mm |

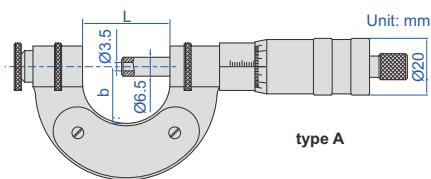
* Made of alloy steel

EXTERNAL SCREW THREAD MICROMETERS

INSIZE PLUS
MADE IN EUROPE



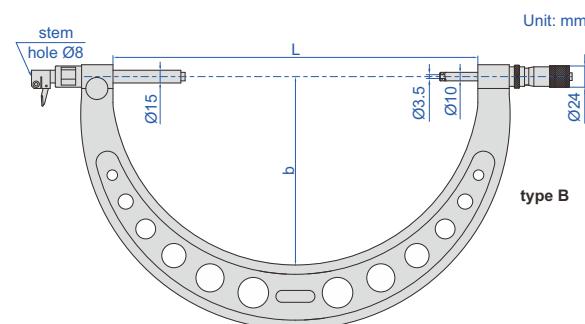
3680-50



type A



3680-4001



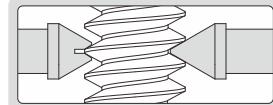
Unit: mm

type B

- Measure pitch diameter of screw threads
- Graduation 0.01mm
- Optional accessory: setting standards (code 7384), external tread tips (code 7390), dial/digital indicators (only for type B)

Type A (ratchet stop) (mm)

| Code | Range | Accuracy | L | b |
|-----------|-----------|----------|-----|-----|
| 3680-25* | 0-25mm | 4µm | 37 | 24 |
| 3680-50* | 25-50mm | 4µm | 62 | 34 |
| 3680-75* | 50-75mm | 4µm | 87 | 46 |
| 3680-100* | 75-100mm | 4µm | 112 | 60 |
| 3680-125* | 100-125mm | 5µm | 139 | 72 |
| 3680-150* | 125-150mm | 5µm | 164 | 85 |
| 3680-200* | 150-200mm | 7µm | 215 | 110 |
| 3680-250* | 200-250mm | 7µm | 264 | 135 |
| 3680-300* | 250-300mm | 7µm | 315 | 160 |



Type B (without ratchet stop) (mm)

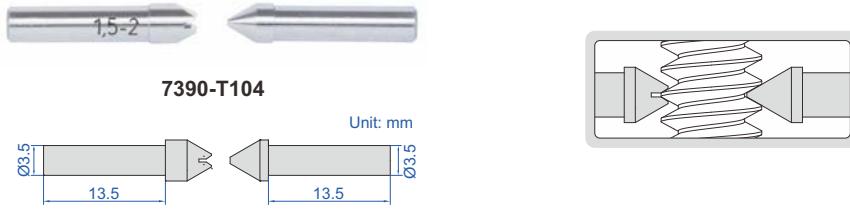
| Code | Range | Left anvil retracting stroke | Micrometer head accuracy | L | b |
|-------------|-------------|------------------------------|--------------------------|------|------|
| 3680-3001* | 200-300mm | 2.5mm | 6µm | 320 | 165 |
| 3680-4001* | 300-400mm | 2.5mm | 7µm | 430 | 220 |
| 3680-5001* | 400-500mm | 2.5mm | 8µm | 530 | 273 |
| 3680-6001* | 500-600mm | 2.5mm | 9µm | 630 | 323 |
| 3680-7001* | 600-700mm | 2.5mm | 9µm | 730 | 378 |
| 3680-8001* | 700-800mm | 2.5mm | 9µm | 830 | 423 |
| 3680-9001* | 800-900mm | 2.5mm | 10µm | 930 | 473 |
| 3680-10001* | 900-1000mm | 2.5mm | 10µm | 1030 | 520 |
| 3680-4002* | 200-400mm | 2.5mm | 7µm | 430 | 220 |
| 3680-6002* | 400-600mm | 2.5mm | 9µm | 630 | 323 |
| 3680-8002* | 600-800mm | 2.5mm | 9µm | 830 | 423 |
| 3680-10002* | 800-1000mm | 2.5mm | 10µm | 1030 | 520 |
| 3680-12002* | 1000-1200mm | 2.5mm | 11µm | 1230 | 635 |
| 3680-14002* | 1200-1400mm | 2.5mm | 12µm | 1430 | 735 |
| 3680-16002* | 1400-1600mm | 2.5mm | 18µm | 1660 | 840 |
| 3680-18002* | 1600-1800mm | 2.5mm | 20µm | 1870 | 940 |
| 3680-20002* | 1800-2000mm | 2.5mm | 22µm | 2075 | 1055 |

* Supplied with manufacturer inspection certificate

MEASURING TIPS FOR EXTERNAL SCREW THREAD MICROMETERS

INSIZE PLUS
MADE IN EUROPE

- Supplied in pair
- Made of hardened steel
- Suitable for **3680** series micrometers



6

60° thread angle

| Code | Pitch |
|-----------|----------------------|
| 7390-T101 | 0.35-0.5mm/ 72-48TPI |
| 7390-T102 | 0.6-0.8mm/ 44-32TPI |
| 7390-T103 | 0.9-1.25mm/ 28-18TPI |
| 7390-T104 | 1.5-2mm/ 16-11TPI |
| 7390-T105 | 2.5-3.5mm/ 10-7TPI |
| 7390-T106 | 4-6mm/ 6-4TPI |

55° thread angle

| Code | Pitch |
|-----------|----------|
| 7390-T201 | 60-48TPI |
| 7390-T202 | 40-32TPI |
| 7390-T203 | 28-22TPI |
| 7390-T204 | 20-16TPI |
| 7390-T205 | 14-11TPI |
| 7390-T206 | 10-7TPI |
| 7390-T207 | 6-4TPI |

30° thread angle

| Code | Pitch |
|-----------|---------|
| 7390-T301 | 1.5mm |
| 7390-T302 | 2mm |
| 7390-T303 | 3mm |
| 7390-T304 | 4mm |
| 7390-T305 | 5-6mm |
| 7390-T306 | 7-8mm |
| 7390-T307 | 9-10mm |
| 7390-T308 | 12-14mm |

SETTING STANDARDS FOR EXTERNAL SCREW THREAD MICROMETERS

INSIZE PLUS
MADE IN EUROPE

ATTENTION: WHEN PITCH <0.4MM OR >63.5 TPI,
SETTING STANDARDS CANNOT BE USED TO SET ZERO,
A CALIBRATED WORK PIECE CAN BE USED INSTEAD

TIPS FOR TRAPEZOIDAL, ACME
THREAD ARE ALSO AVAILABLE



7384-A100

- Made of hardened steel
- Deviation (difference between the ordered size and the size marked on the setting standard when supplied): $\pm 20\mu\text{m}$
- For example, the ordered size is 25mm, the size marked on the setting standard when supplied may be 25.015mm

60° thread angle (mm)

| Code | L | Ød | Accuracy |
|-----------|-----|-----|----------------------|
| 7384-A25 | 25 | 7.8 | $\pm 2.5\mu\text{m}$ |
| 7384-A50 | 50 | 7.8 | $\pm 3\mu\text{m}$ |
| 7384-A75 | 75 | 7.8 | $\pm 3.5\mu\text{m}$ |
| 7384-A100 | 100 | 7.8 | $\pm 4\mu\text{m}$ |
| 7384-A125 | 125 | 7.8 | $\pm 4.5\mu\text{m}$ |
| 7384-A150 | 150 | 7.8 | $\pm 5\mu\text{m}$ |
| 7384-A175 | 175 | 7.8 | $\pm 5.5\mu\text{m}$ |
| 7384-A200 | 200 | 7.8 | $\pm 6\mu\text{m}$ |
| 7384-A225 | 225 | 10 | $\pm 6.5\mu\text{m}$ |
| 7384-A250 | 250 | 10 | $\pm 7\mu\text{m}$ |
| 7384-A275 | 275 | 10 | $\pm 7.5\mu\text{m}$ |
| 7384-A300 | 300 | 10 | $\pm 8\mu\text{m}$ |

55° thread angle (mm)

| Code | L | Ød | Accuracy |
|-----------|-----|-----|----------------------|
| 7384-B25 | 25 | 7.8 | $\pm 2.5\mu\text{m}$ |
| 7384-B50 | 50 | 7.8 | $\pm 3\mu\text{m}$ |
| 7384-B75 | 75 | 7.8 | $\pm 3.5\mu\text{m}$ |
| 7384-B100 | 100 | 7.8 | $\pm 4\mu\text{m}$ |
| 7384-B125 | 125 | 7.8 | $\pm 4.5\mu\text{m}$ |
| 7384-B150 | 150 | 7.8 | $\pm 5\mu\text{m}$ |
| 7384-B175 | 175 | 7.8 | $\pm 5.5\mu\text{m}$ |
| 7384-B200 | 200 | 7.8 | $\pm 6\mu\text{m}$ |
| 7384-B225 | 225 | 10 | $\pm 6.5\mu\text{m}$ |
| 7384-B250 | 250 | 10 | $\pm 7\mu\text{m}$ |
| 7384-B275 | 275 | 10 | $\pm 7.5\mu\text{m}$ |
| 7384-B300 | 300 | 10 | $\pm 8\mu\text{m}$ |

NON-ROTATING SPINDLE
SCREW THREAD MICROMETERS

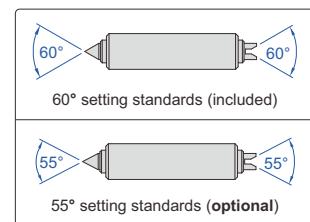
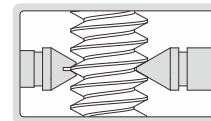

3281-25A
(measuring tips are optional)



3281-S25
(measuring tips are included)

6

- Measure pitch diameter of screw threads
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards (except 0-25mm)
- Optional accessory: 55° setting standards

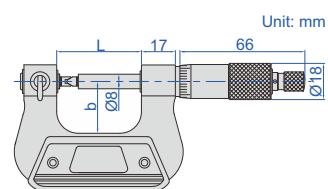


| Measuring tips are optional (mm) | | | | |
|----------------------------------|-----------|-------|------|---------------------------------|
| Code | Range | L | b | 55° setting standard (optional) |
| 3281-25A | 0-25mm | 42 | 26 | — |
| 3281-50A | 25-50mm | 67 | 38 | 3281-SP1 |
| 3281-75A | 50-75mm | 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 |
| 3281-225A | 200-225mm | 242 | 130 | 3281-SP8 |
| 3281-250A | 225-250mm | 267 | 142 | 3281-SP9 |
| 3281-275A | 250-275mm | 291 | 155 | 3281-SP10 |
| 3281-300A | 275-300mm | 317 | 167 | 3281-SP11 |

| Measuring tips are included (mm) | | | | |
|----------------------------------|-----------|-------|------|---------------------------|
| Code | Range | L | b | Measuring tips (included) |
| 3281-S25 | 0-25mm | 42 | 26 | — |
| 3281-S50 | 25-50mm | 67 | 38 | 3281-SP1 |
| 3281-S75 | 50-75mm | 92 | 50 | 3281-SP2 |
| 3281-S100 | 75-100mm | 117.6 | 62 | 3281-SP3 |
| 3281-S125 | 100-125mm | 143 | 70 | 3281-SP4 |
| 3281-S150 | 125-150mm | 168.2 | 82 | 3281-SP5 |
| 3281-S175 | 150-175mm | 192 | 94.5 | 3281-SP6 |
| 3281-S200 | 175-200mm | 217 | 107 | 3281-SP7 |
| 3281-S225 | 200-225mm | 242 | 130 | 3281-SP8 |
| 3281-S250 | 225-250mm | 267 | 142 | 3281-SP9 |
| 3281-S275 | 250-275mm | 291 | 155 | 3281-SP10 |
| 3281-S300 | 275-300mm | 317 | 167 | 3281-SP11 |

accuracy of micrometers with tips (mm)

| Pitch | Range | | | | | | | |
|---------|--------|--------|--------|--------|---------|---------|---------|---------|
| | 0-25 | 25-50 | 50-75 | 75-100 | 100-125 | 125-200 | 200-225 | 225-300 |
| 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 | ±0.025 | ±0.028 |
| 2.5~3.5 | ±0.016 | ±0.019 | ±0.021 | ±0.021 | ±0.023 | ±0.025 | ±0.028 | ±0.031 |
| 4.0~7.0 | - | ±0.021 | ±0.023 | ±0.023 | ±0.025 | ±0.028 | ±0.031 | ±0.033 |



DIGITAL SCREW THREAD MICROMETERS

DATA
OUTPUT

NON-ROTATING
SPINDLE

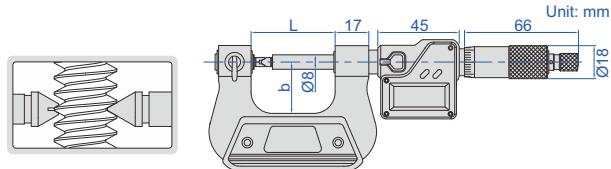


6

Measuring tips are optional

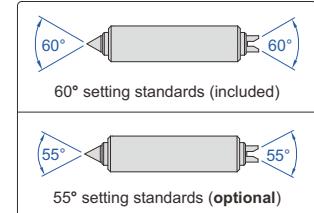
| Code | Range | L | b | 55° setting standard (optional) |
|-----------|------------------|-------|------|---------------------------------|
| 3581-25A | 0-25mm/0-1" | 42 | 26 | — |
| 3581-50A | 25-50mm/1-2" | 67 | 38 | 3281-SP1 |
| 3581-75A | 50-75mm/2-3" | 92 | 50 | 3281-SP2 |
| 3581-100A | 75-100mm/3-4" | 117.6 | 62 | 3281-SP3 |
| 3581-125A | 100-125mm/4-5" | 143 | 70 | 3281-SP4 |
| 3581-150A | 125-150mm/5-6" | 168.2 | 82 | 3281-SP5 |
| 3581-175A | 150-175mm/6-7" | 192 | 94.5 | 3281-SP6 |
| 3581-200A | 175-200mm/7-8" | 217 | 107 | 3281-SP7 |
| 3581-225A | 200-225mm/8-9" | 242 | 130 | 3281-SP8 |
| 3581-250A | 225-250mm/9-10" | 267 | 142 | 3281-SP9 |
| 3581-275A | 250-275mm/10-11" | 291 | 155 | 3281-SP10 |
| 3581-300A | 275-300mm/11-12" | 317 | 167 | 3281-SP11 |

- Measure pitch diameter of screw threads
- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards (except 0-25mm/0-1")
- Optional accessory: 55° setting standards, data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



Measuring tips are included

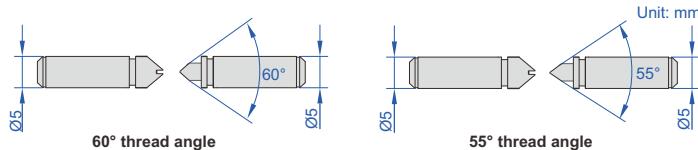
| Code | Range | L | b | Measuring tips (included) | 55° setting standard (optional) |
|-----------|------------------|-------|------|---------------------------|---------------------------------|
| 3581-S25 | 0-25mm/0-1" | 42 | 26 | | — |
| 3581-S50 | 25-50mm/1-2" | 67 | 38 | | 3281-SP1 |
| 3581-S75 | 50-75mm/2-3" | 92 | 50 | | 3281-SP2 |
| 3581-S100 | 75-100mm/3-4" | 117.6 | 62 | | 3281-SP3 |
| 3581-S125 | 100-125mm/4-5" | 143 | 70 | | 3281-SP4 |
| 3581-S150 | 125-150mm/5-6" | 168.2 | 82 | | 3281-SP5 |
| 3581-S175 | 150-175mm/6-7" | 192 | 94.5 | | 3281-SP6 |
| 3581-S200 | 175-200mm/7-8" | 217 | 107 | | 3281-SP7 |
| 3581-S225 | 200-225mm/8-9" | 242 | 130 | | 3281-SP8 |
| 3581-S250 | 225-250mm/9-10" | 267 | 142 | | 3281-SP9 |
| 3581-S275 | 250-275mm/10-11" | 291 | 155 | | 3281-SP10 |
| 3581-S300 | 275-300mm/11-12" | 317 | 167 | | 3281-SP11 |



accuracy of micrometers with tips

| Pitch | Range | | | | | | | | (mm) |
|---------|--------|--------|--------|--------|---------|---------|---------|---------|------|
| | 0-25 | 25-50 | 50-75 | 75-100 | 100-125 | 125-200 | 200-225 | 225-300 | |
| 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 | ±0.025 | ±0.028 | |
| 2.5~3.5 | ±0.016 | ±0.019 | ±0.021 | ±0.021 | ±0.023 | ±0.025 | ±0.028 | ±0.031 | |
| 4.0~7.0 | - | ±0.021 | ±0.023 | ±0.023 | ±0.025 | ±0.028 | ±0.031 | ±0.033 | |

MEASURING TIPS FOR SCREW THREAD MICROMETERS



7381-T13

- Supplied in pair
- Suitable for 3281, 3581 series micrometers

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 |

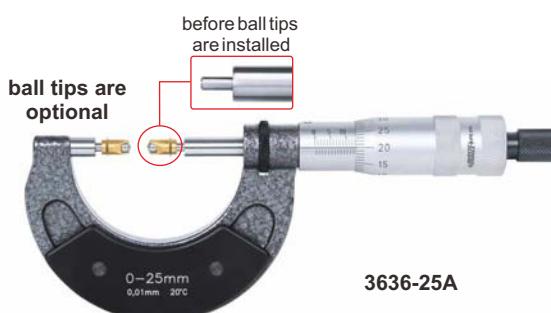
Whitworth thread (55° thread angle)

| 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 |

6



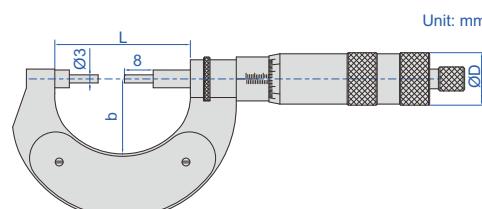
ATTENTION: SETTING STANDARDS ARE NOT INCLUDED



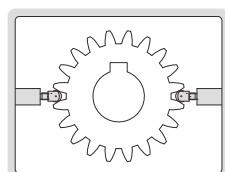
3636-25A

EXTERNAL GEAR TOOTH MICROMETERS

INSIZE PLUS
MADE IN EUROPE



cylindrical tips (optional)



- Meet DIN863-3
- Measure over-pin diameter of gears
- Graduation 0.01mm
- Ratchet stop
- Optional accessory: ball tips (code 7389), cylindrical tips (code 7393), setting standards (code 7386)

(mm)

| Code | Range | Accuracy | L | b | ØD |
|------------|-----------|----------|-----|-----|----|
| 3636-25A* | 0-25mm | 3µm | 62 | 34 | 20 |
| 3636-50A* | 25-50mm | 3µm | 87 | 46 | 20 |
| 3636-75A* | 50-75mm | 4µm | 112 | 60 | 20 |
| 3636-100A* | 75-100mm | 4µm | 139 | 72 | 20 |
| 3636-125A* | 100-125mm | 5µm | 164 | 85 | 20 |
| 3636-150A* | 125-150mm | 5µm | 190 | 97 | 20 |
| 3636-175A* | 150-175mm | 5µm | 215 | 110 | 20 |
| 3636-200A* | 175-200mm | 5µm | 240 | 122 | 20 |

(mm)

| Code | Range | Accuracy | L | b | ØD |
|------------|-----------|----------|-----|-----|----|
| 3636-225A* | 200-225mm | 6µm | 264 | 135 | 20 |
| 3636-250A* | 225-250mm | 6µm | 290 | 148 | 20 |
| 3636-300A* | 250-300mm | 6µm | 325 | 165 | 24 |
| 3636-350A* | 300-350mm | 7µm | 370 | 190 | 24 |
| 3636-400A* | 350-400mm | 7µm | 430 | 220 | 24 |
| 3636-450A* | 400-450mm | 8µm | 475 | 250 | 24 |
| 3636-500A* | 450-500mm | 8µm | 530 | 273 | 24 |
| 3636-550A* | 500-550mm | 9µm | 570 | 291 | 24 |
| 3636-600A* | 550-600mm | 9µm | 630 | 323 | 24 |

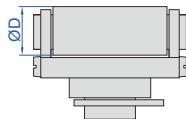
* Supplied with manufacturer inspection certificate

CYLINDRICAL TIPS FOR GEAR TOOTH MICROMETERS

INSIZE PLUS
MADE IN EUROPE

CYLINDRICAL DIAMETER
ØD CAN BE CUSTOMIZED

- Supplied in pair
- Made of hardened steel
- Self-positioning
- Suitable for 3636, 3638, 3678, series micrometers



7393-T5

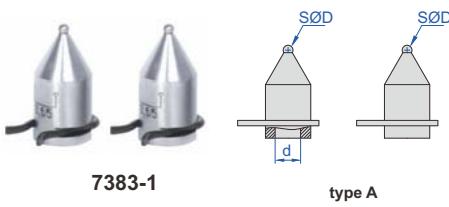
| Code | Diameter of shaft (ØD) | Ød | Accuracy |
|-----------|------------------------|-----|----------|
| 7393-T1 | 1mm | 3mm | ±1µm |
| 7393-T2 | 2mm | 3mm | ±1µm |
| 7393-T3 | 3mm | 3mm | ±1µm |
| 7393-T3D5 | 3.5mm | 3mm | ±1µm |
| 7393-T4 | 4mm | 3mm | ±1µm |
| 7393-T5 | 5mm | 3mm | ±1µm |
| 7393-T6 | 6mm | 3mm | ±1µm |
| 7393-T7 | 7mm | 3mm | ±1µm |
| 7393-T8 | 8mm | 3mm | ±1µm |

6

BALL TIPS FOR GEAR TOOTH MICROMETERS

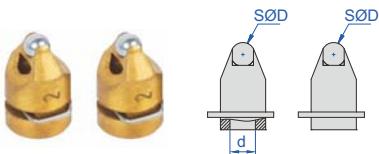
INSIZE PLUS
MADE IN EUROPE

BALL TIPS DIAMETER
SØD CAN BE CUSTOMIZED



7383-1

type A



7383-2

type B

- Supplied in pair
- Made of hardened steel
- Suitable for 3636, 3638, 3678 series micrometers

| Code | Ball dia. (SØD) | d | Accuracy | Type |
|-----------|-----------------|------|----------|------|
| 7383-1 | SØ1mm | Ø3mm | ±1µm | A |
| 7383-1D5 | SØ1.5mm | Ø3mm | ±1µm | B |
| 7383-1D75 | SØ1.75mm | Ø3mm | ±1µm | B |
| 7383-2 | SØ2mm | Ø3mm | ±1µm | B |
| 7383-2D25 | SØ2.25mm | Ø3mm | ±1µm | B |
| 7383-2D5 | SØ2.5mm | Ø3mm | ±1µm | B |
| 7383-3 | SØ3mm | Ø3mm | ±1µm | B |
| 7383-3D5 | SØ3.5mm | Ø3mm | ±1µm | B |
| 7383-4 | SØ4mm | Ø3mm | ±1µm | B |
| 7383-4D5 | SØ4.5mm | Ø3mm | ±1µm | B |
| 7383-5 | SØ5mm | Ø3mm | ±1µm | B |
| 7383-5D5 | SØ5.5mm | Ø3mm | ±1µm | B |
| 7383-6 | SØ6mm | Ø3mm | ±1µm | B |

| Code | Ball dia. (SØD) | d | Accuracy | Type |
|-----------|-----------------|------|----------|------|
| 7383-6D5 | SØ6.5mm | Ø3mm | ±1µm | B |
| 7383-7 | SØ7mm | Ø3mm | ±1µm | B |
| 7383-7D5 | SØ7.5mm | Ø3mm | ±1µm | B |
| 7383-8 | SØ8mm | Ø3mm | ±1µm | B |
| 7383-9 | SØ9mm | Ø3mm | ±1µm | B |
| 7383-10 | SØ10mm | Ø3mm | ±1µm | B |
| 7383-10D5 | SØ10.5mm | Ø3mm | ±1.5µm | B |
| 7383-11 | SØ11mm | Ø3mm | ±1.5µm | B |
| 7383-12 | SØ12mm | Ø3mm | ±1.5µm | B |
| 7383-13 | SØ13mm | Ø3mm | ±1.5µm | B |
| 7383-14 | SØ14mm | Ø3mm | ±1.5µm | B |
| 7383-15 | SØ15mm | Ø3mm | ±1.5µm | B |
| 7383-16 | SØ16mm | Ø3mm | ±1.5µm | B |

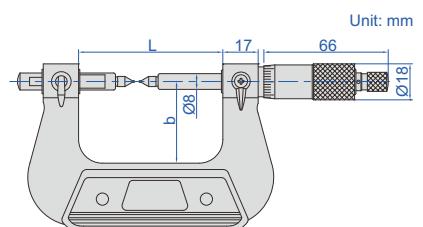
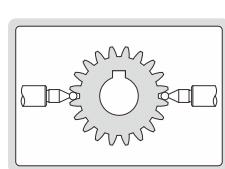
GEAR TOOTH MICROMETERS

- 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 | (mm) |
|----------|-----------|----------|-------|-------|------|
| 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 | |
| 3291-200 | 175-200mm | 7µm | 242 | 130 | |
| 3291-225 | 200-225mm | 8µm | 267 | 142.5 | |
| 3291-250 | 225-250mm | 8µm | 292 | 155 | |
| 3291-275 | 250-275mm | 9µm | 317 | 167.5 | |



3291-25



6

DIGITAL GEAR TOOTH MICROMETERS

IP65
WATERPROOF

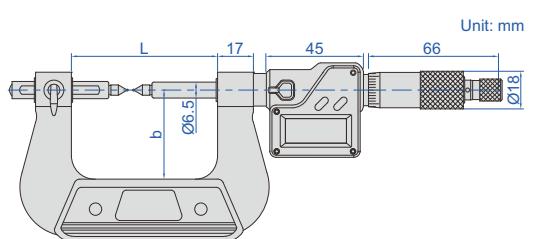
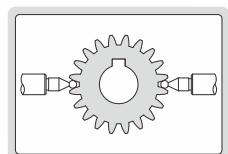
DATA
OUTPUT

- Measure over-pin diameter of gears
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- 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 7315-31 need receiver page 4, 7302-31 page 12)

ball tips are optional



3591-25A



| Code | Range | Accuracy | L | b | (mm) |
|-----------|----------------|----------|-------|------|------|
| 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 | |

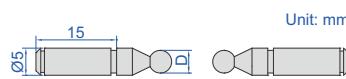
BALL TIPS DIAMETER SØD CAN BE
CUSTOMIZED WITH SIZES BETWEEN 1.50-6.00MM

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-T6 | SØ3.5mm |
| 7391-T3 | SØ2.0mm | 7391-T7 | SØ4.0mm |
| 7391-T4 | SØ2.5mm | 7391-T8 | SØ4.5mm |
| 7391-T5 | SØ3.0mm | 7391-T9 | SØ5.0mm |
| | | 7391-T10 | SØ6.0mm |

POINT MICROMETERS

INSIZE PLUS
MADE IN EUROPE

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

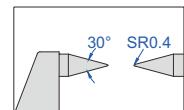
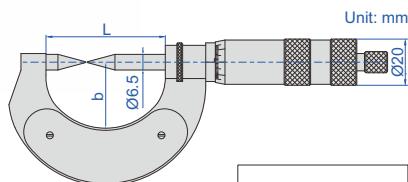


(mm)

| Code | Range | Accuracy | L | b |
|------------|-----------|----------|-----|-----|
| 3659-25A* | 0-25mm | 4µm | 62 | 34 |
| 3659-50A* | 25-50mm | 4µm | 87 | 46 |
| 3659-75A* | 50-75mm | 5µm | 112 | 60 |
| 3659-100A* | 75-100mm | 5µm | 139 | 72 |
| 3659-125A* | 100-125mm | 6µm | 164 | 85 |
| 3659-150A* | 125-150mm | 6µm | 190 | 97 |
| 3659-175A* | 150-175mm | 7µm | 215 | 110 |
| 3659-200A* | 175-200mm | 7µm | 240 | 122 |
| 3659-225A* | 200-225mm | 8µm | 264 | 135 |
| 3659-250A* | 225-250mm | 8µm | 290 | 148 |

6

* Supplied with manufacturer inspection certificate



- Measure the web thickness of drills, small grooves and keyways
- Graduation: 0.01mm
- Ratchet stop
- Carbide tips
- Optional accessory: setting standards (code 7386)

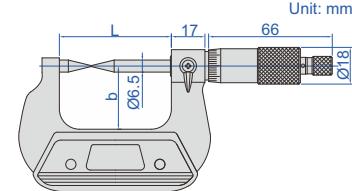
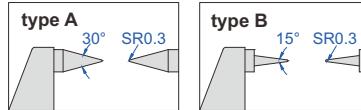
POINT MICROMETERS

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

| 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 |



3230-25A



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, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)

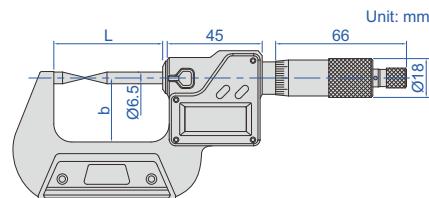
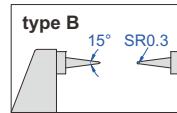
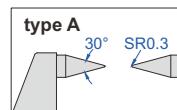
DATA
OUTPUT

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 |



HIGH PRECISION DIGITAL POINT MICROMETERS/SNAP GAGES

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

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

MEASUREMENT ACCURACY IS NOT
AFFECTED BY THE USE OF SLEEVE

NON-ROTATING
SPINDLE

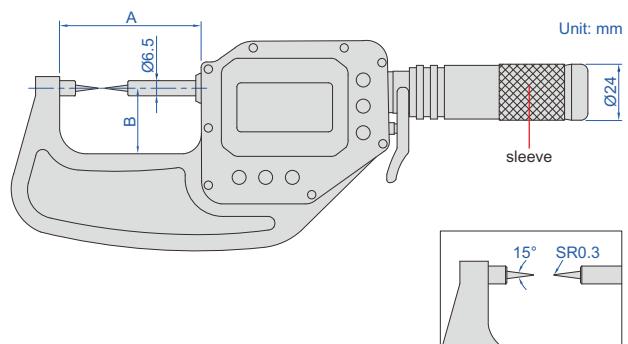
DATA
OUTPUT

ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

IP65
WATERPROOF

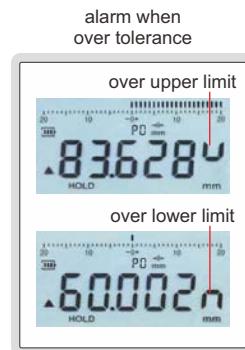


3354-25



6

- Measure the web thickness of drills, small grooves 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 need receiver page 6
data output cable (keyboard format), code 7302-3350 page 13

| Code | Range | Accuracy | Repeatability | A | B |
|----------|--------------|----------|---------------|-------|------|
| 3354-25* | 0-25mm/0-1" | 2µm | 1µm | 63mm | 25mm |
| 3354-50* | 25-50mm/1-2" | 2µm | 1µm | 88mm | 42mm |
| 3354-75* | 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 |
|------------|--------------|----------|---------------|-------|------|
| 3354-25WL* | 0-25mm/0-1" | 2µm | 1µm | 63mm | 25mm |
| 3354-50WL* | 25-50mm/1-2" | 2µm | 1µm | 88mm | 42mm |
| 3354-75WL* | 50-75mm/2-3" | 2µm | 1µm | 113mm | 56mm |

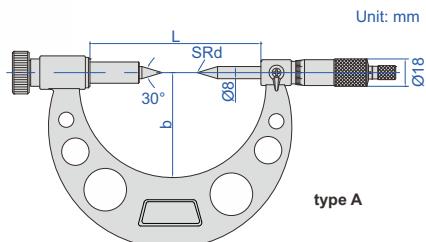
* Supplied with manufacturer inspection certificate

GEAR ROOT DIAMETER MICROMETERS

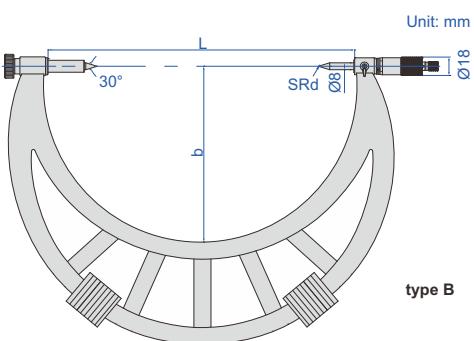


3297-100

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



3297-300



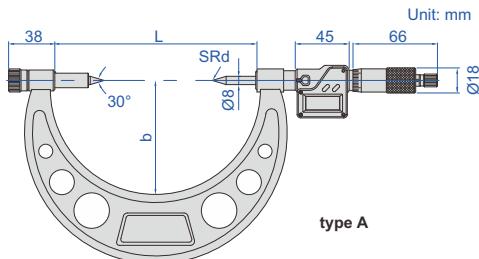
6

| Code | Range | Type | Accuracy | L | b | SRd | (mm) |
|----------|-----------|------|----------|------|-----|-----|------|
| 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 | |

DIGITAL GEAR ROOT DIAMETER MICROMETERS

IP65
WATERPROOF

DATA
OUTPUT



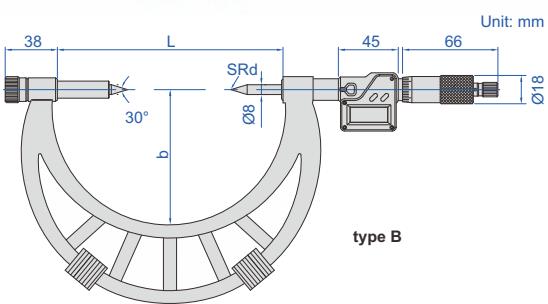
3597-100

- Measure diameter of gear root circle
- Resolution 0.001mm/0.0001" (resolution of 3597-100 and 3597-200 is 0.001mm/0.00005")
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)

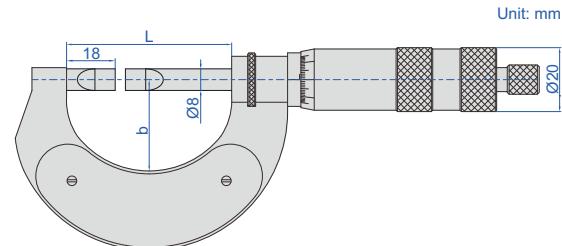
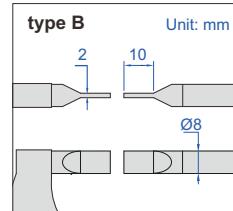
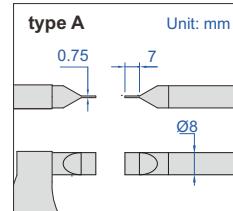
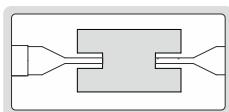


3597-300

| Code | Range | Type | Accuracy | L | b | SRd | (mm) |
|----------|-----------|------|----------|------|-----|-----|------|
| 3597-100 | 5-100mm | A | 3µm | 137 | 72 | 0.4 | |
| 3597-200 | 100-200mm | A | 4µm | 237 | 129 | 0.5 | |
| 3597-300 | 200-300mm | B | 5µm | 414 | 225 | 0.7 | |
| 3597-400 | 300-400mm | B | 6µm | 514 | 275 | 0.7 | |
| 3597-500 | 400-500mm | B | 7µm | 614 | 325 | 0.7 | |
| 3597-600 | 500-600mm | B | 8µm | 714 | 375 | 0.7 | |
| 3597-700 | 600-700mm | B | 8µm | 814 | 425 | 0.7 | |
| 3597-800 | 700-800mm | B | 9µm | 914 | 475 | 0.7 | |
| 3597-900 | 800-900mm | B | 10µm | 1014 | 525 | 0.7 | |



**INSPECTION
CERTIFICATE**
**ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED**
BLADE MICROMETERS
INSIZE PLUS
MADE IN EUROPE

3650-25A

6


- Meet DIN863-3
- Graduation 0.01mm
- Force: 5-10N
- Optional accessory: setting standards (code 7386)

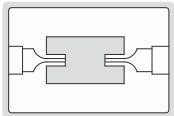
(mm)

| Code | Range | Type | Accuracy | L | b |
|------------|-----------|------|----------|-----|-----|
| 3650-25A* | 0-25mm | A | 4µm | 62 | 34 |
| 3650-50A* | 25-50mm | A | 4µm | 87 | 46 |
| 3650-75A* | 50-75mm | B | 5µm | 112 | 60 |
| 3650-100A* | 75-100mm | B | 5µm | 139 | 72 |
| 3650-125A* | 100-125mm | B | 6µm | 164 | 85 |
| 3650-150A* | 125-150mm | B | 6µm | 190 | 97 |
| 3650-175A* | 150-175mm | B | 7µm | 215 | 110 |
| 3650-200A* | 175-200mm | B | 7µm | 240 | 122 |
| 3650-225A* | 200-225mm | B | 8µm | 264 | 135 |
| 3650-250A* | 225-250mm | B | 8µm | 290 | 148 |
| 3650-275A* | 250-275mm | B | 9µm | 315 | 160 |
| 3650-300A* | 275-300mm | B | 9µm | 340 | 174 |

* Supplied with manufacturer inspection certificate

BLADE MICROMETERS

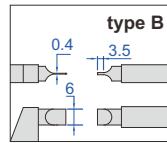
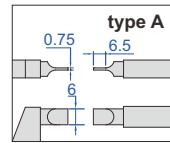
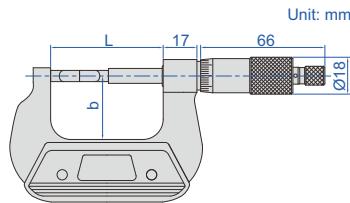
NON-ROTATING SPINDLE



- 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



6

| Type A (mm) | | | | |
|-------------|-----------|----------|-------|-------|
| Code | Range | Accuracy | L | b |
| 3232-25A | 0-25mm | 4µm | 57 | 32 |
| 3232-50A | 25-50mm | 4µm | 82 | 44.5 |
| 3232-75A | 50-75mm | 5µm | 107 | 57 |
| 3232-100A | 75-100mm | 5µm | 132.6 | 69.5 |
| 3232-125A | 100-125mm | 6µm | 158 | 82 |
| 3232-150A | 125-150mm | 6µm | 183.4 | 94.5 |
| 3232-175A | 150-175mm | 7µm | 208.8 | 107 |
| 3232-200A | 175-200mm | 7µm | 234.2 | 129.6 |
| 3232-225A | 200-225mm | 8µm | 259.6 | 142.3 |
| 3232-250A | 225-250mm | 8µm | 285 | 155 |
| 3232-275A | 250-275mm | 9µm | 310.4 | 167.7 |
| 3232-300A | 275-300mm | 9µm | 336.5 | 177.8 |

| Type B (mm) | | | | |
|-------------|-----------|----------|-------|-------|
| Code | Range | Accuracy | L | b |
| 3232-25BA | 0-25mm | 4µm | 57 | 32 |
| 3232-50BA | 25-50mm | 4µm | 82 | 44.5 |
| 3232-75BA | 50-75mm | 5µm | 107 | 57 |
| 3232-100BA | 75-100mm | 5µm | 132.6 | 69.5 |
| 3232-125BA | 100-125mm | 6µm | 158 | 82 |
| 3232-150BA | 125-150mm | 6µm | 183.4 | 94.5 |
| 3232-175BA | 150-175mm | 7µm | 208.8 | 107 |
| 3232-200BA | 175-200mm | 7µm | 234.2 | 129.6 |
| 3232-225BA | 200-225mm | 8µm | 259.6 | 142.3 |
| 3232-250BA | 225-250mm | 8µm | 285 | 155 |
| 3232-275BA | 250-275mm | 9µm | 310.4 | 167.7 |
| 3232-300BA | 275-300mm | 9µm | 336.5 | 177.8 |

DIGITAL BLADE MICROMETERS

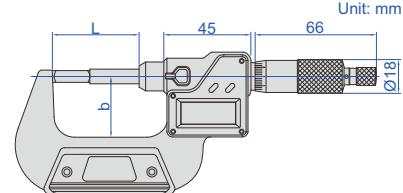
DATA OUTPUT

NON-ROTATING SPINDLE

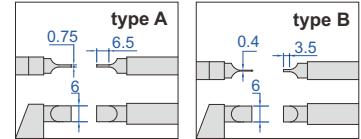
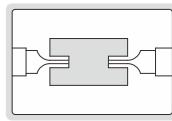
- Measure the groove diameter of shafts and keyways
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



3532-25A



| (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 |
| 3532-125A | 100-125mm/4-5" | A | ±6µm | 158 | 82 |
| 3532-150A | 125-150mm/5-6" | A | ±6µm | 183.4 | 94.5 |
| 3532-175A | 150-175mm/6-7" | A | ±7µm | 208.8 | 107 |
| 3532-25BA | 0-25mm/0-1" | B | ±4µm | 57 | 32 |
| 3532-50BA | 25-50mm/1-2" | B | ±4µm | 82 | 44.5 |
| 3532-75BA | 50-75mm/2-3" | B | ±5µm | 107 | 57 |
| 3532-100BA | 75-100mm/3-4" | B | ±5µm | 132.6 | 69.5 |
| 3532-125BA | 100-125mm/4-5" | B | ±6µm | 158 | 82 |
| 3532-150BA | 125-150mm/5-6" | B | ±6µm | 183.4 | 94.5 |
| 3532-175BA | 150-175mm/6-7" | B | ±7µm | 208.8 | 107 |



ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

MEASUREMENT ACCURACY IS NOT
AFFECTED BY THE USE OF SLEEVE

IP65
WATERPROOF

DATA
OUTPUT

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

NON-ROTATING
SPINDLE

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



**INSPECTION
CERTIFICATE**

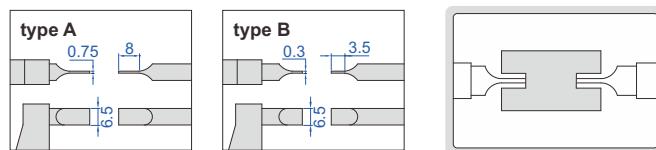
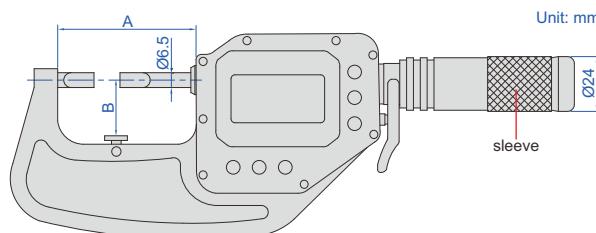
VIDEO



3352-25A

- Measure the groove diameter of shafts 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

6

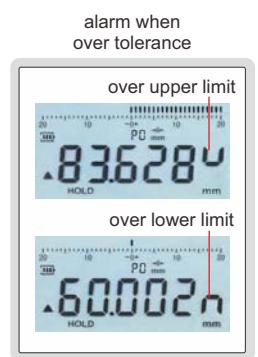


With data interface

Optional accessory:

wireless transmitter, code 7315-3350 need receiver page 6
data output cable (keyboard format), code 7302-3350 page 13

| Code | Range | Type | Accuracy | Repeatability | A | B |
|-----------|--------------|------|----------|---------------|-------|------|
| 3352-25A* | 0-25mm/0-1" | A | 2µm | 1µm | 63mm | 25mm |
| 3352-50A* | 25-50mm/1-2" | A | 2µm | 1µm | 88mm | 42mm |
| 3352-75A* | 50-75mm/2-3" | A | 2µm | 1µm | 113mm | 56mm |
| 3352-25B* | 0-25mm/0-1" | B | 2µm | 1µm | 63mm | 25mm |
| 3352-50B* | 25-50mm/1-2" | B | 2µm | 1µm | 88mm | 42mm |
| 3352-75B* | 50-75mm/2-3" | B | 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

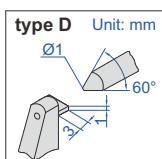
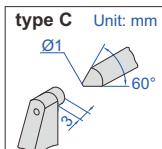
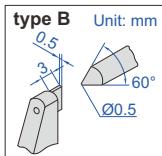
| Code | Range | Type | Accuracy | Repeatability | A | B |
|-------------|--------------|------|----------|---------------|-------|------|
| 3352-25AWL* | 0-25mm/0-1" | A | 2µm | 1µm | 63mm | 25mm |
| 3352-50AWL* | 25-50mm/1-2" | A | 2µm | 1µm | 88mm | 42mm |
| 3352-75AWL* | 50-75mm/2-3" | A | 2µm | 1µm | 113mm | 56mm |
| 3352-25BWL* | 0-25mm/0-1" | B | 2µm | 1µm | 63mm | 25mm |
| 3352-50BWL* | 25-50mm/1-2" | B | 2µm | 1µm | 88mm | 42mm |
| 3352-75BWL* | 50-75mm/2-3" | B | 2µm | 1µm | 113mm | 56mm |



* Supplied with manufacturer inspection certificate

CRIMP HEIGHT MICROMETERS

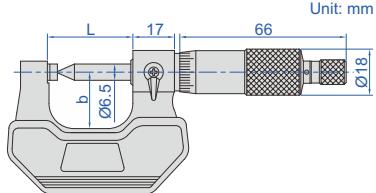
- Measure the height of crimp contact
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)



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



3266-25BA



| 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 |

6

DIGITAL CRIMP HEIGHT MICROMETERS

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

DATA OUTPUT
IP65
WATERPROOF

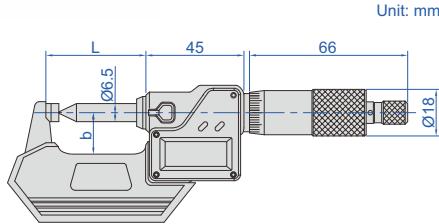
- Measure the height of crimp contact
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



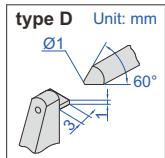
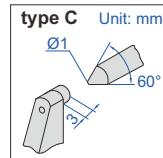
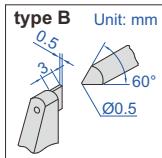
3566-25BA



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 |



SPLINE MICROMETERS

INSIZE PLUS
MADE IN EUROPE

| Code | Range | Accuracy | L | b |
|-----------|-----------|----------|-----|-----|
| 3658-25* | 0-25mm | 4µm | 62 | 34 |
| 3658-50* | 25-50mm | 4µm | 87 | 46 |
| 3658-75* | 50-75mm | 5µm | 112 | 60 |
| 3658-100* | 75-100mm | 5µm | 139 | 72 |
| 3658-125* | 100-125mm | 6µm | 164 | 85 |
| 3658-150* | 125-150mm | 6µm | 190 | 97 |
| 3658-175* | 150-175mm | 7µm | 215 | 110 |
| 3658-200* | 175-200mm | 7µm | 240 | 122 |
| 3658-225* | 200-225mm | 8µm | 264 | 135 |
| 3658-250* | 225-250mm | 8µm | 290 | 148 |

* Supplied with manufacturer inspection certificate

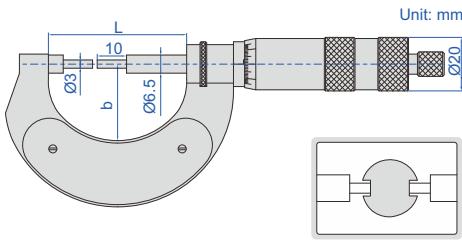


3658-25

INSPECTION
CERTIFICATE

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

- Meet DIN863-3
- Measure splined shafts, slots and keyways
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Optional accessory: setting standards (code 7386)

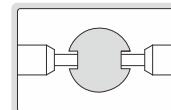


SPLINE MICROMETERS

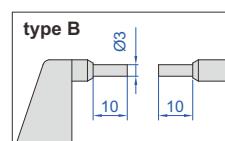
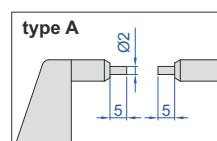
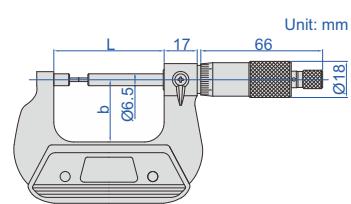
- Meet DIN863-3
- Measure splined shafts, slots and keyways
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



3233-25BA



| Code | Range | Type | Accuracy | L | b |
|------------|-----------|------|----------|-------|------|
| 3233-25A | 0-25mm | A | 4µm | 57 | 32 |
| 3233-50A | 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 |



6

DIGITAL SPLINE MICROMETERS

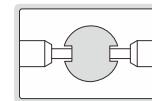
IP65
WATERPROOF

**DATA
OUTPUT**

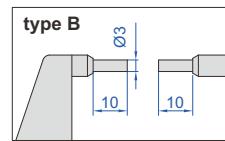
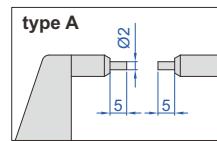
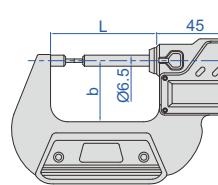
- Measure splined shafts, slots and keyways
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



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

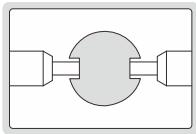
NON-ROTATING
SPINDLE

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

IP65
WATERPROOF

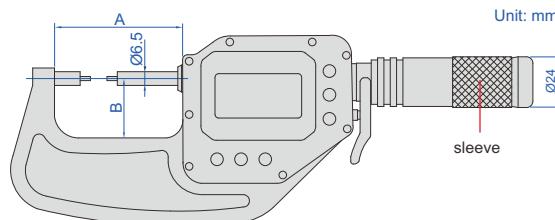
ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

DATA
OUTPUT



6

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 need receiver page 6
data output cable (keyboard format), code 7302-3350 page 13

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

Built-in wireless

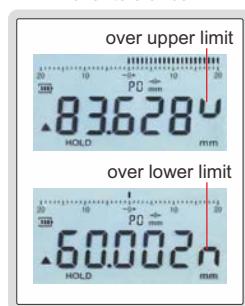
Optional accessory:

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 | Type | Repeatability | A | B |
|--------------|--------------|----------|------|---------------|-------|------|
| 3356-25WL * | 0-25mm/0-1" | 2µm | A | 1µm | 63mm | 25mm |
| 3356-50WL * | 25-50mm/1-2" | 2µm | A | 1µm | 88mm | 42mm |
| 3356-75WL * | 50-75mm/2-3" | 2µm | A | 1µm | 113mm | 56mm |
| 3356-25BWL * | 0-25mm/0-1" | 2µm | B | 1µm | 63mm | 25mm |
| 3356-50BWL * | 25-50mm/1-2" | 2µm | B | 1µm | 88mm | 42mm |
| 3356-75BWL * | 50-75mm/2-3" | 2µm | B | 1µm | 113mm | 56mm |

* Supplied with manufacturer inspection certificate

alarm when
over tolerance



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

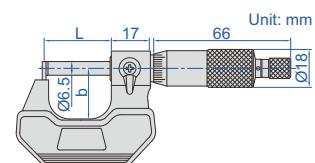
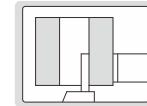


CYLINDRICAL ANVIL TUBE MICROMETERS

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

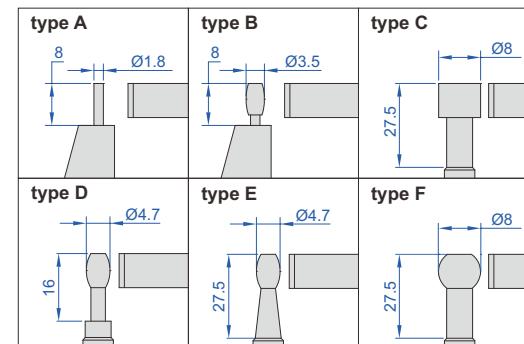


3261-25A



(mm)

| Code | Range | Type | Accuracy | L | b |
|-----------|---------|------|----------|----|----|
| 3261-25A | 0-25mm | A | 6µm | 36 | 25 |
| 3261-50A | 25-50mm | A | 6µm | 61 | 32 |
| 3261-25BA | 0-25mm | B | 6µm | 36 | 25 |
| 3261-50BA | 25-50mm | B | 6µm | 61 | 32 |
| 3261-25CA | 0-25mm | C | 6µm | 36 | 25 |
| 3261-50CA | 25-50mm | C | 6µm | 61 | 32 |
| 3261-25DA | 0-25mm | D | 6µm | 36 | 25 |
| 3261-50DA | 25-50mm | D | 6µm | 61 | 32 |
| 3261-25EA | 0-25mm | E | 6µm | 36 | 25 |
| 3261-50EA | 25-50mm | E | 6µm | 61 | 32 |
| 3261-25FA | 0-25mm | F | 6µm | 36 | 25 |
| 3261-50FA | 25-50mm | F | 6µm | 61 | 32 |



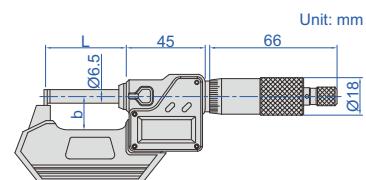
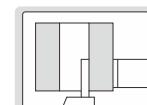
DIGITAL CYLINDRICAL ANVIL TUBE MICROMETERS

IP65
WATERPROOF

DATA
OUTPUT



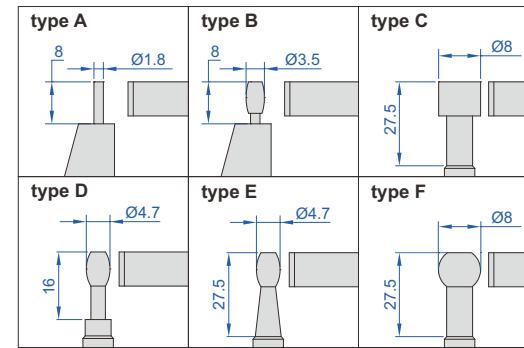
3561-25A



(mm)

- Measure wall thickness of tubes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide spindle tip
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)

| Code | Range | Type | Accuracy | L | b |
|-----------|--------------|------|----------|----|----|
| 3561-25A | 0-25mm/0-1" | A | ±6µm | 36 | 25 |
| 3561-50A | 25-50mm/1-2" | A | ±6µm | 61 | 32 |
| 3561-25BA | 0-25mm/0-1" | B | ±6µm | 36 | 25 |
| 3561-50BA | 25-50mm/1-2" | B | ±6µm | 61 | 32 |
| 3561-25CA | 0-25mm/0-1" | C | ±6µm | 36 | 25 |
| 3561-50CA | 25-50mm/1-2" | C | ±6µm | 61 | 32 |
| 3561-25DA | 0-25mm/0-1" | D | ±6µm | 36 | 25 |
| 3561-50DA | 25-50mm/1-2" | D | ±6µm | 61 | 32 |
| 3561-25EA | 0-25mm/0-1" | E | ±6µm | 36 | 25 |
| 3561-50EA | 25-50mm/1-2" | E | ±6µm | 61 | 32 |
| 3561-25FA | 0-25mm/0-1" | F | ±6µm | 36 | 25 |
| 3561-50FA | 25-50mm/1-2" | F | ±6µm | 61 | 32 |



SPHERICAL ANVIL TUBE MICROMETERS

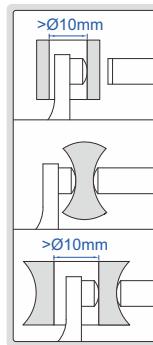
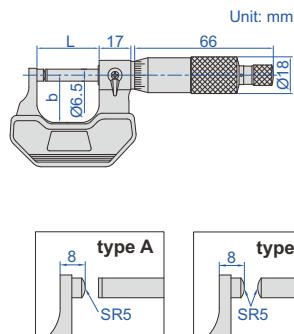
- Meet DIN863-3
- Measure wall thickness of tubes
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



3260-25A

6

| Code | Range | Type | Accuracy | L | b | (mm) |
|------------|----------|------|----------|-----|------|------|
| 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 | |



DIGITAL SPHERICAL ANVIL TUBE MICROMETERS

IP65
WATERPROOF

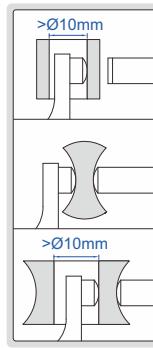
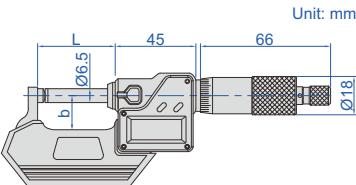
DATA
OUTPUT

- Measure wall thickness of tubes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- 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 7315-31 need receiver page 4, 7302-31 page 12)



3560-25A

| Code | Range | Type | Accuracy | L | b | (mm) |
|------------|---------------|------|----------|-----|------|------|
| 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 | |



HIGH PRECISION DIGITAL SPHERICAL ANVIL TUBE MICROMETERS/SNAP GAGES

IP65
WATERPROOF

NON-ROTATING
SPINDLE

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

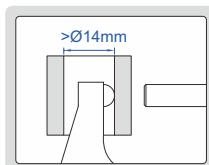
ONE TURN OF SLEEVE MAKES 5MM SPINDLE FEED,
PRESS THE FORK, THE SPINDLE RETRACTS 3MM

MEASUREMENT ACCURACY IS NOT
AFFECTED BY THE USE OF SLEEVE



ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

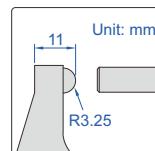
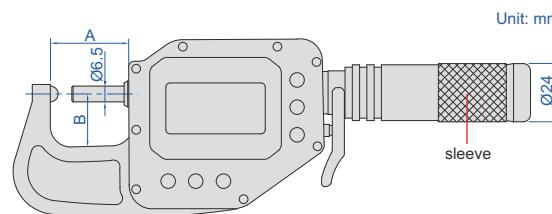
DATA
OUTPUT



VIDEO



3355-25



- Measure wall thickness of tubes
- 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** need receiver page 6
data output cable (keyboard format), code **7302-3350** page 13

| Code | Range | Accuracy | Repeatability | A | B |
|------------------|------------------|----------|---------------|-------|------|
| 3355-25* | 0-25mm/0-1" | 2µm | 1µm | 38mm | 24mm |
| 3355-50* | 25-50mm/1-2" | 2µm | 1µm | 63mm | 25mm |
| 3355-75* | 50-75mm/2-3" | 2µm | 1µm | 88mm | 42mm |
| 3355-100* | 75-100mm/3-3.95" | 2µm | 1µm | 113mm | 56mm |

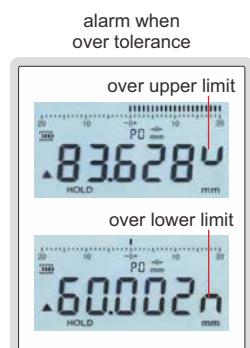
Built-in wireless

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 |
|--------------------|------------------|----------|---------------|-------|------|
| 3355-25WL* | 0-25mm/0-1" | 2µm | 1µm | 38mm | 24mm |
| 3355-50WL* | 25-50mm/1-2" | 2µm | 1µm | 63mm | 25mm |
| 3355-75WL* | 50-75mm/2-3" | 2µm | 1µm | 88mm | 42mm |
| 3355-100WL* | 75-100mm/3-3.95" | 2µm | 1µm | 113mm | 56mm |

* Supplied with manufacturer inspection certificate



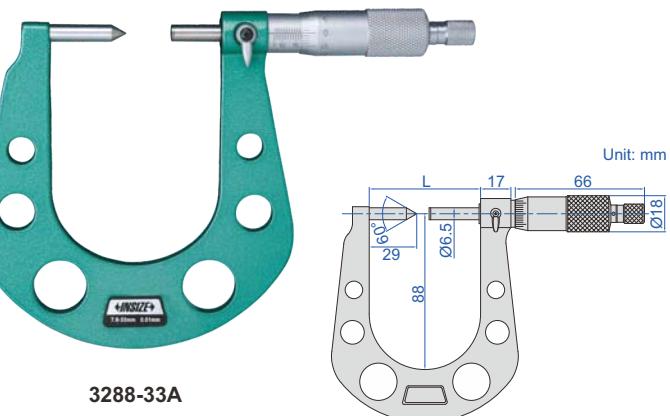
DISK BRAKE MICROMETERS

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

- Measure thickness of disk brakes
- 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 |



6

DIGITAL DISK BRAKE MICROMETERS

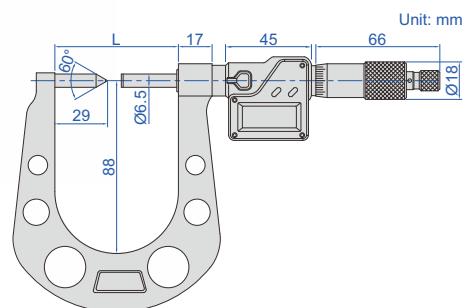
RELATIVE PRODUCT: DIGITAL DISK BRAKE AND PAD CALIPER
DIGITAL DRUM BRAKE CALIPER (CODE 1162-125A, 1167-150A, 1168-300A)

- Measure thickness of disk brakes
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)

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



3588-33A



IP65
WATERPROOF

DATA
OUTPUT

SHEET METAL MICROMETERS

INSIZE PLUS
MADE IN EUROPE

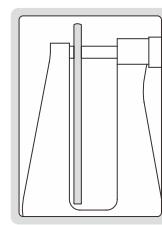
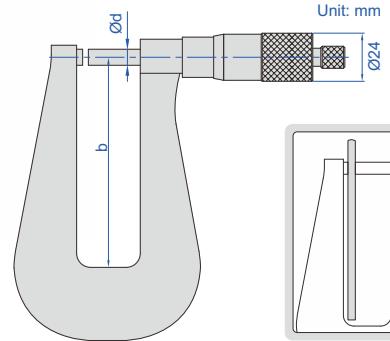
ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

- Deep frame suitable for sheet metal, paper and plastic
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Optional accessory: setting standards (code 7386)

| Code | Range | Accuracy | b | Ød | (mm) |
|-----------|----------|----------|-----|-----|------|
| 3653-251A | 0-25mm | 4µm | 50 | 6.5 | |
| 3653-252A | 0-25mm | 5µm | 100 | 8 | |
| 3653-253A | 0-25mm | 6µm | 150 | 6.5 | |
| 3653-254A | 0-25mm | 8µm | 250 | 6.5 | |
| 3653-501A | 25-50mm | 4µm | 50 | 8 | |
| 3653-502A | 0-50mm | 4µm | 50 | 8 | |
| 3653-503A | 0-50mm | 5µm | 100 | 8 | |
| 3653-100A | 50-100mm | 5µm | 100 | 8 | |



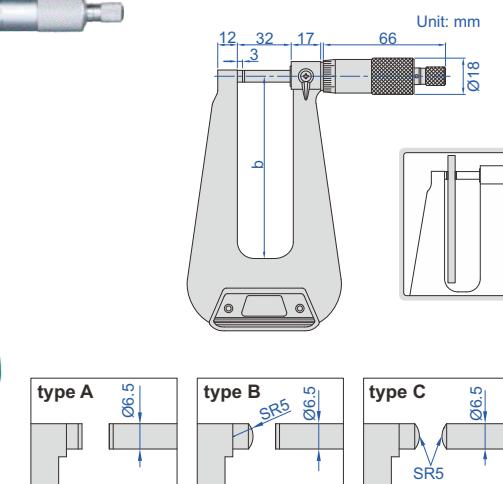
3653-252A



SHEET METAL MICROMETERS

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

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

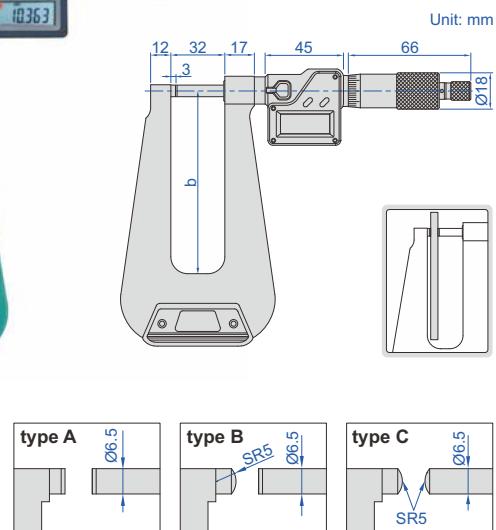


6

DIGITAL SHEET METAL MICROMETERS

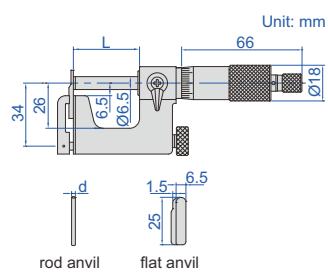
- Deep frame suitable for sheet metal, paper and plastic
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)

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

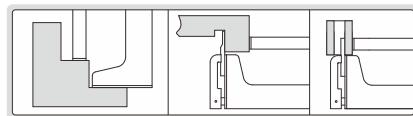


INTERCHANGEABLE ANVIL MICROMETERS

- 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)



| Code | Range | Accuracy | L | d |
|----------|---------|----------|--------|------|
| 3262-25A | 0-25mm | 4µm | 28.5mm | Ø3mm |
| 3262-50A | 25-50mm | 4µm | 53.5mm | Ø5mm |



DIGITAL INTERCHANGEABLE ANVIL MICROMETERS

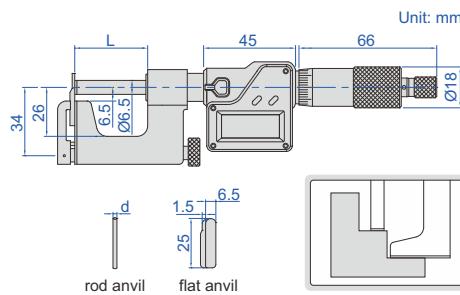
IP65
WATERPROOF

**DATA
OUTPUT**

- 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, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide spindle tip
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



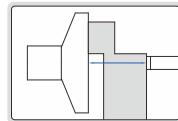
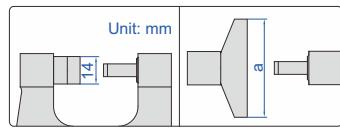
3562-25A



6

| Code | Range | Accuracy | L | d |
|----------|--------------|--------------------|--------|--------------------------|
| 3562-25A | 0-25mm/0-1" | $\pm 4\mu\text{m}$ | 28.5mm | $\varnothing 3\text{mm}$ |
| 3562-50A | 25-50mm/1-2" | $\pm 4\mu\text{m}$ | 53.5mm | $\varnothing 5\text{mm}$ |

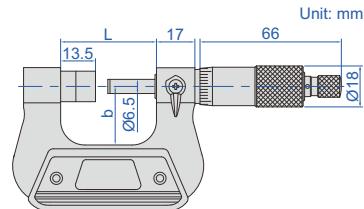
LARGE ANVIL MICROMETERS



3234-25A

- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards (except 0-25mm)

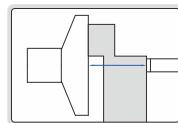
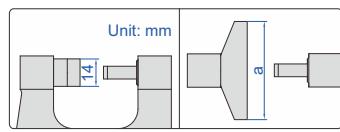
| Code | Range | Accuracy | L | a | b |
|----------|---------|-----------------|------|------|------|
| 3234-25A | 0-25mm | 4 μm | 42mm | 50mm | 26mm |
| 3234-50A | 25-50mm | 4 μm | 67mm | 60mm | 38mm |



DIGITAL LARGE ANVIL MICROMETERS

**DATA
OUTPUT**

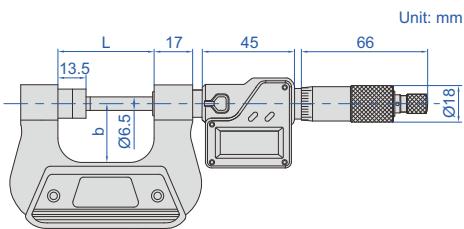
IP65
WATERPROOF



3534-25A

- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)

| Code | Range | Accuracy | L | a | b |
|----------|--------------|--------------------|------|------|------|
| 3534-25A | 0-25mm/0-1" | $\pm 4\mu\text{m}$ | 42mm | 50mm | 26mm |
| 3534-50A | 25-50mm/1-2" | $\pm 4\mu\text{m}$ | 67mm | 60mm | 38mm |

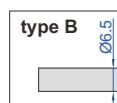
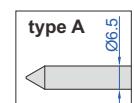
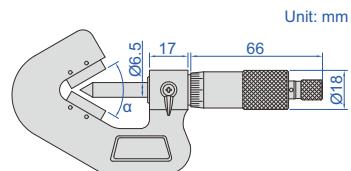


V-ANVIL MICROMETERS



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



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

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

IP65
WATERPROOF

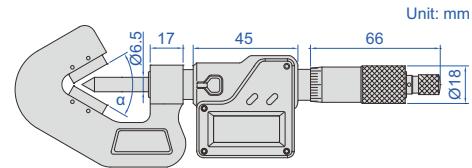
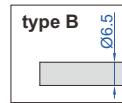
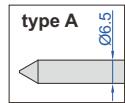
DATA
OUTPUT

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, data transmit
 - Data output
 - Automatic power off
 - Ratchet stop
 - Carbide measuring faces
 - Supplied with setting standards
 - Optional accessory: data output cable
(code **7315-31 need receiver** page 4,
7302-31 page 12)



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

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

NON-ROTATING SPINDLE UNIVERSAL MICROMETERS

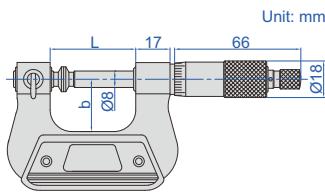
NON-ROTATING SPINDLE



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)

6



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

DIGITAL UNIVERSAL MICROMETERS

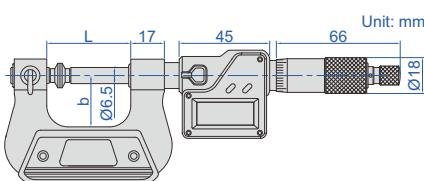
DATA OUTPUT

NON-ROTATING SPINDLE



3580-25A

- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with 7 pairs of anvil/spindle tip
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: 55° anvil/spindle tip code 3280-SP1 and 3280-SP2, data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



| Code | Range | Accuracy | L | b |
|-----------|----------------|----------|-----|-----|
| 3580-25A | 0-25mm/0-1" | ±4µm | 42 | 26 |
| 3580-50A | 25-50mm/1-2" | ±4µm | 67 | 38 |
| 3580-75A | 50-75mm/2-3" | ±5µm | 92 | 50 |
| 3580-100A | 75-100mm/3-4" | ±5µm | 118 | 62 |
| 3580-125A | 100-125mm/4-5" | ±6µm | 143 | 70 |
| 3580-150A | 125-150mm/5-6" | ±6µm | 168 | 82 |
| 3580-175A | 150-175mm/6-7" | ±7µm | 192 | 95 |
| 3580-200A | 175-200mm/7-8" | ±7µm | 217 | 107 |

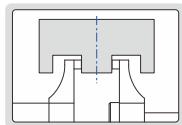
Anvil/spindle tip (included) Unit: mm

| | | |
|------------|--|--|
| Flat | | |
| Spherical | | |
| Spline | | |
| Disk | | |
| Blade | | |
| Knife-edge | | |
| Point | | |

55° anvil/spindle tip (optional) Unit: mm

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

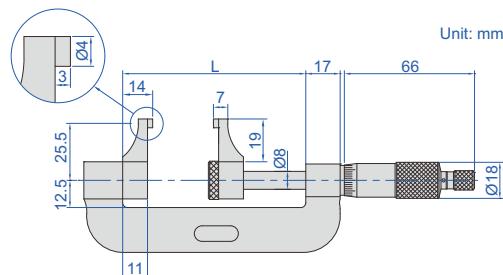
CALIPER TYPE MICROMETERS



3238-25

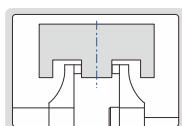
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

| Code | Range | Accuracy | L |
|----------|----------|----------|-------|
| 3238-25 | 0-25mm | 10µm | 56mm |
| 3238-50 | 25-50mm | 10µm | 81mm |
| 3238-75 | 50-75mm | 11µm | 106mm |
| 3238-100 | 75-100mm | 11µm | 131mm |



6

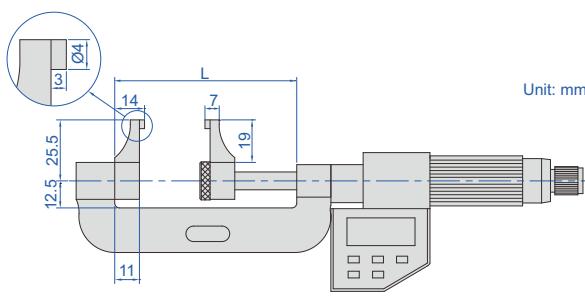
DIGITAL CALIPER TYPE MICROMETERS



3538-25

- Resolution: 0.001mm/0.00005"
- Non-rotating spindle
- Buttons: on/off, data set, mm/in, ABS/INC
- Data output
- Automatic power off
- Ratchet friction thimble
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm/0-1")

| Code | Range | Accuracy | L |
|----------|---------------|----------|-------|
| 3538-25 | 0-25mm/0-1" | ±10µm | 56mm |
| 3538-50 | 25-50mm/1-2" | ±10µm | 81mm |
| 3538-75 | 50-75mm/2-3" | ±11µm | 106mm |
| 3538-100 | 75-100mm/3-4" | ±11µm | 131mm |



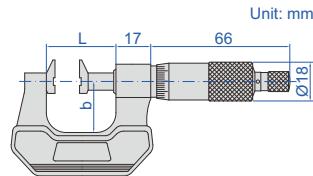
JAW TYPE MICROMETERS

NON-ROTATING SPINDLE

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

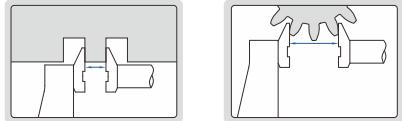
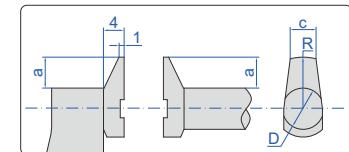


3283-25A



6

| Code | Range | Accuracy | L | a | b | c | R | D | (mm) |
|-----------|-----------|----------|-----|---|-----|---|----|----|------|
| 3283-25A | 0-25mm | 4µm | 34 | 6 | 24 | 5 | 10 | 8 | |
| 3283-50A | 25-50mm | 4µm | 59 | 6 | 32 | 5 | 10 | 8 | |
| 3283-75A | 50-75mm | 5µm | 85 | 6 | 45 | 5 | 10 | 8 | |
| 3283-100A | 75-100mm | 5µm | 110 | 6 | 57 | 5 | 10 | 8 | |
| 3283-125A | 100-125mm | 6µm | 138 | 9 | 70 | 8 | 15 | 12 | |
| 3283-150A | 125-150mm | 6µm | 163 | 9 | 82 | 8 | 15 | 12 | |
| 3283-175A | 150-175mm | 7µm | 188 | 9 | 95 | 8 | 15 | 12 | |
| 3283-200A | 175-200mm | 7µm | 214 | 9 | 107 | 8 | 15 | 12 | |



DIGITAL JAW TYPE MICROMETERS

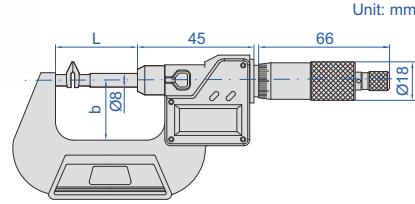
DATA OUTPUT

NON-ROTATING SPINDLE

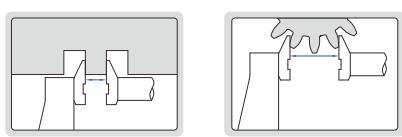
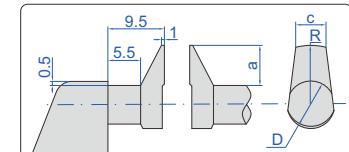


3583-25A

- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



| Code | Range | Accuracy | L | a | b | c | R | D | (mm) |
|-----------|----------------|----------|-----|------|------|---|----|----|------|
| 3583-25A | 0-25mm/0-1" | ±4µm | 43 | 6.5 | 32 | 5 | 10 | 8 | |
| 3583-50A | 25-50mm/1-2" | ±4µm | 85 | 6.5 | 44.5 | 5 | 10 | 8 | |
| 3583-75A | 50-75mm/2-3" | ±5µm | 110 | 6.5 | 57 | 5 | 10 | 8 | |
| 3583-100A | 75-100mm/3-4" | ±5µm | 135 | 6.5 | 70 | 5 | 10 | 8 | |
| 3583-125A | 100-125mm/4-5" | ±6µm | 160 | 11.5 | 86 | 8 | 15 | 12 | |
| 3583-150A | 125-150mm/5-6" | ±6µm | 186 | 11.5 | 94.5 | 8 | 15 | 12 | |
| 3583-175A | 150-175mm/6-7" | ±7µm | 211 | 11.5 | 107 | 8 | 15 | 12 | |
| 3583-200A | 175-200mm/7-8" | ±7µm | 236 | 11.5 | 120 | 8 | 15 | 12 | |



**INSPECTION
CERTIFICATE**

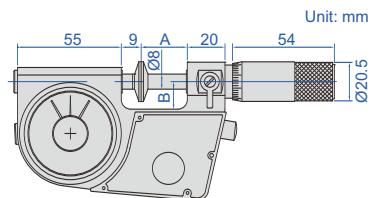
ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

DISK INDICATING MICROMETERS

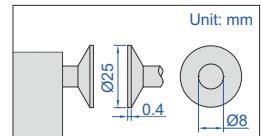
INSIZE PLUS
MADE IN EUROPE



3338-20



- Meet DIN863-3
- Suitable for measuring the common normal length of spur and helical gears
- Carbide measuring faces
- Measuring force 5-10N
- Optional accessory: gage blocks grade 0 (4101-A series), for zero setting



6

(mm)

| Code | Micrometer head | | | Dial indicator | | | A | B |
|-----------|-----------------|------------|----------|----------------|------------|----------|-------|------|
| | range | graduation | accuracy | range | graduation | accuracy | | |
| 3338-201* | 0-20mm | 0.01mm | 4µm | ±0.07mm | 1µm | 2µm | 26 | 15 |
| 3338-20 * | 0-20mm | 0.01mm | 4µm | ±0.14mm | 2µm | 4µm | 26 | 15 |
| 3338-451* | 20-45mm | 0.01mm | 4µm | ±0.07mm | 1µm | 2µm | 51.5 | 25 |
| 3338-45* | 20-45mm | 0.01mm | 4µm | ±0.14mm | 2µm | 4µm | 51.5 | 25 |
| 3338-701* | 45-70mm | 0.01mm | 4µm | ±0.07mm | 1µm | 2µm | 76.5 | 37 |
| 3338-70 * | 45-70mm | 0.01mm | 4µm | ±0.14mm | 2µm | 4µm | 76.5 | 37 |
| 3338-951* | 70-95mm | 0.01mm | 4µm | ±0.07mm | 1µm | 2µm | 101.5 | 52.5 |
| 3338-95* | 70-95mm | 0.01mm | 4µm | ±0.14mm | 2µm | 4µm | 101.5 | 52.5 |
| 3338-120* | 95-120mm | 0.01mm | 4µm | ±0.14mm | 2µm | 2µm | 126.5 | 65 |
| 3338-145* | 120-145mm | 0.01mm | 4µm | ±0.14mm | 2µm | 4µm | 126.5 | 77.5 |

* Supplied with manufacturer inspection certificate

ATTENTION: SETTING
STANDARDS ARE NOT INCLUDED

DISK MICROMETERS

INSIZE PLUS
MADE IN EUROPE

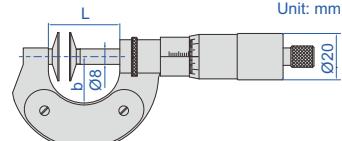
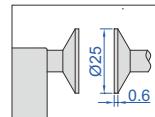
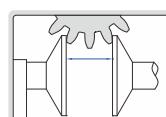
- Graduation: 0.01mm
- Ratchet stop
- One turn of sleeve makes 0.5mm spindle feed
- Optional accessory: setting standards (code 7386)



3676-25

(mm)

| Code | Range | Accuracy | L | b |
|----------|-----------|----------|-----|-----|
| 3676-25 | 0-25mm | 4µm | 37 | 24 |
| 3676-50 | 25-50mm | 4µm | 62 | 34 |
| 3676-75 | 50-75mm | 5µm | 87 | 46 |
| 3676-100 | 75-100mm | 5µm | 112 | 60 |
| 3676-125 | 100-125mm | 6µm | 139 | 72 |
| 3676-150 | 125-150mm | 6µm | 164 | 85 |
| 3676-175 | 150-175mm | 7µm | 190 | 97 |
| 3676-200 | 175-200mm | 7µm | 215 | 110 |
| 3676-225 | 200-225mm | 8µm | 240 | 122 |
| 3676-250 | 225-250mm | 8µm | 264 | 135 |
| 3676-275 | 250-275mm | 9µm | 290 | 148 |
| 3676-300 | 275-300mm | 9µm | 315 | 160 |

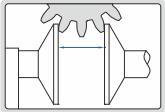


LARGE RANGE DISK MICROMETERS

INSIZE PLUS
MADE IN EUROPE

ATTENTION: SETTING STANDARDS ARE NOT INCLUDED

LIGHT WEIGHT



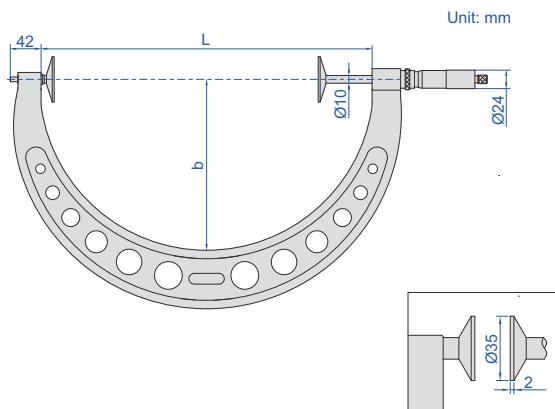
- Graduation: 0.01mm
- Ratchet stop
- Quick measurement, one turn of sleeve makes 1mm spindle feed
- Light weight
- Optional accessory: setting standards (code 7386)

6

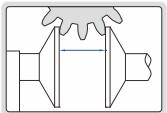


3677-350

| Code | Range | Accuracy | L | b | Weight | (mm) |
|-----------|------------|----------|------|-----|--------|------|
| 3677-350 | 300-350mm | 8µm | 370 | 190 | 1.65kg | |
| 3677-400 | 350-400mm | 8µm | 430 | 220 | 1.95kg | |
| 3677-450 | 400-450mm | 9µm | 475 | 250 | 2.30kg | |
| 3677-500 | 450-500mm | 9µm | 530 | 273 | 2.45kg | |
| 3677-550 | 500-550mm | 10µm | 570 | 291 | 2.55kg | |
| 3677-600 | 550-600mm | 10µm | 630 | 323 | 3.15kg | |
| 3677-650 | 600-650mm | 10µm | 675 | 351 | 3.45kg | |
| 3677-700 | 650-700mm | 10µm | 730 | 378 | 3.85kg | |
| 3677-750 | 700-750mm | 10µm | 785 | 401 | 4.05kg | |
| 3677-800 | 750-800mm | 10µm | 830 | 423 | 4.25kg | |
| 3677-850 | 800-850mm | 11µm | 885 | 440 | 4.45kg | |
| 3677-900 | 850-900mm | 11µm | 930 | 473 | 5.05kg | |
| 3677-950 | 900-950mm | 11µm | 980 | 503 | 5.95kg | |
| 3677-1000 | 950-1000mm | 11µm | 1030 | 520 | 6.25kg | |



DISK MICROMETERS

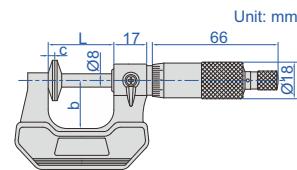
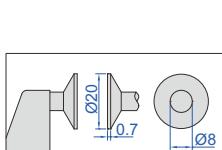


- Measure root tangent length of gear
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards



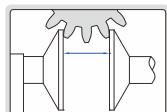
3282-25

| Code | Range | Accuracy | Parallelism | L | b | c | (mm) |
|----------|----------|----------|-------------|-----|----|-----|------|
| 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 | |

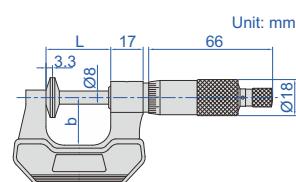
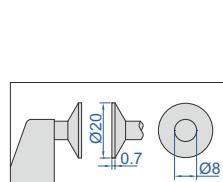
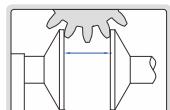


NON-ROTATING SPINDLE
NON-ROTATING SPINDLE DISK MICROMETERS

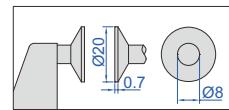
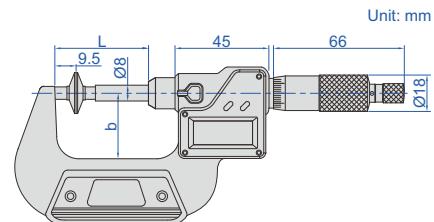
- Measure root tangent length of gear
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards


3294-25
6

| 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 |


DATA OUTPUT **NON-ROTATING SPINDLE**
DIGITAL NON-ROTATING SPINDLE DISK MICROMETERS

3594-25A

- Measure root tangent length of gear
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards
- Optional accessory: data output cable (code 7315-31 need receiver page 4, 7302-31 page 12)



| 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 |

HIGH PRECISION DIGITAL DISK MICROMETERS/SNAP GAGES

DATA
OUTPUT

NON-ROTATING
SPINDLE

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

ABSOLUTE ENCODER, THE ORIGINAL
DATA REMAINS AFTER POWER OFF

MEASUREMENT ACCURACY IS NOT
AFFECTED BY THE USE OF SLEEVE

ATTENTION: RECHARGEABLE BATTERY,
FOR 24 HOURS CONTINUOUS WORKING

IP65
WATERPROOF



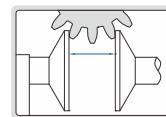
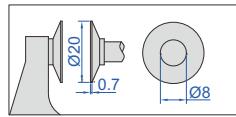
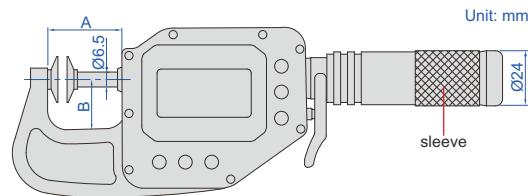
VIDEO

6

- Measure root tangent length of gear
- 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
- Power: rechargeable battery, for 24 hours continuous working



3353-25

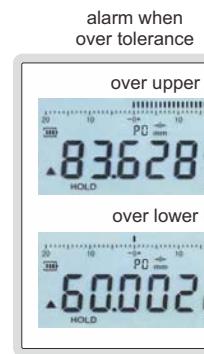


With data interface

Optional accessory:

wireless transmitter, code **7315-3350** need receiver page 6
data output cable (keyboard format), code **7302-3350** page 13

| Code | Range | Accuracy | Repeatability | Parallelism | A | B |
|------------|------------------|----------|---------------|-------------|-------|--------|
| 3353-25 * | 0-25mm/0-1" | 4µm | 1µm | 4µm | 38mm | 24mm |
| 3353-50 * | 25-50mm/1-2" | 4µm | 1µm | 4µm | 63mm | 25mm |
| 3353-75 * | 50-75mm/2-3" | 5µm | 1µm | 5µm | 88mm | 42mm |
| 3353-100 * | 75-100mm/3-3.95" | 5µm | 1µm | 5µm | 113mm | 56mm |
| 3353-125 * | 100-125mm/4-5" | 6µm | 2µm | 6µm | 128mm | 62.5mm |
| 3353-150 * | 125-150mm/5-6" | 6µm | 2µm | 6µm | 153mm | 75mm |



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 | Parallelism | A | B |
|-------------|------------------|----------|---------------|-------------|-------|--------|
| 3353-25WL* | 0-25mm/0-1" | 4µm | 1µm | 4µm | 38mm | 24mm |
| 3353-50WL* | 25-50mm/1-2" | 4µm | 1µm | 4µm | 63mm | 25mm |
| 3353-75WL* | 50-75mm/2-3" | 5µm | 1µm | 5µm | 88mm | 42mm |
| 3353-100WL* | 75-100mm/3-3.95" | 5µm | 1µm | 5µm | 113mm | 56mm |
| 3353-125WL* | 100-125mm/4-5" | 6µm | 2µm | 6µm | 128mm | 62.5mm |
| 3353-150WL* | 125-150mm/5-6" | 6µm | 2µm | 6µm | 153mm | 75mm |



* Supplied with manufacturer inspection certificate

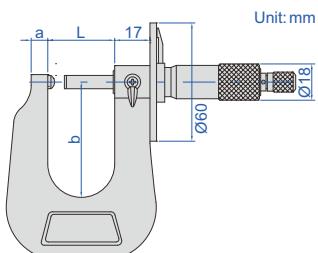
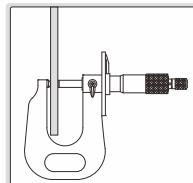
SHEET METAL MICROMETERS

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



3263-25A

(mm)



| Code | Range | Type | Accuracy | L | a | b |
|----------|--------|------|----------|----|----|-----|
| 3263-15A | 0-15mm | A | 4µm | 22 | 8 | 50 |
| 3263-25A | 0-25mm | A | 4µm | 32 | 8 | 50 |
| 3263-50A | 0-50mm | A | 5µm | 57 | 12 | 100 |
| 3263-15B | 0-15mm | B | 4µm | 22 | 8 | 50 |
| 3263-25B | 0-25mm | B | 4µm | 32 | 8 | 50 |
| 3263-50B | 0-50mm | B | 5µm | 57 | 12 | 100 |

6

MICROMETERS FOR HOT PLATE

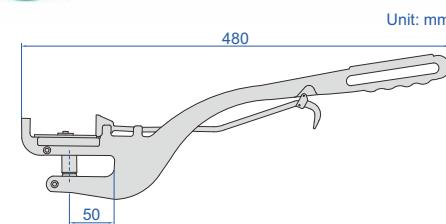
- Measure thickness of hot rolling sheet metal
- Carbide measuring faces
- Supplied with setting standard (except 0-15mm)



VIDEO



3264-15



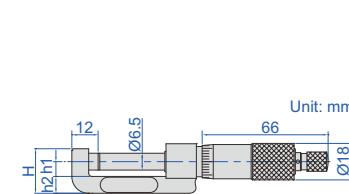
| Code | Range | Graduation | Accuracy |
|----------|----------|------------|----------|
| 3264-15 | 0-15mm | 0.05mm | 0.05mm |
| 3264-30 | 15-30mm | 0.05mm | 0.05mm |
| 3264-45 | 30-45mm | 0.05mm | 0.05mm |
| 3264-60 | 45-60mm | 0.05mm | 0.05mm |
| 3264-75 | 60-75mm | 0.05mm | 0.05mm |
| 3264-90 | 75-90mm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

HUB MICROMETERS

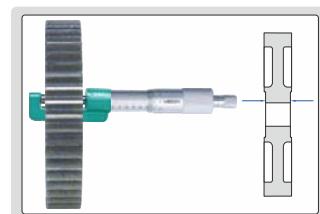
- Meet DIN863-3
- Measure hub thickness and shoulder inside a bore
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



3292-25

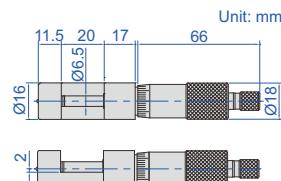


| Code | Range | Accuracy | h1 | h2 | H |
|----------|----------|----------|-----|----|------|
| 3292-25 | 0-25mm | 4µm | 6 | 9 | 18.7 |
| 3292-50 | 25-50mm | 4µm | 6.5 | 11 | 21.2 |
| 3292-75 | 50-75mm | 5µm | 6.5 | 11 | 21.2 |
| 3292-100 | 75-100mm | 5µm | 6.5 | 11 | 21.2 |

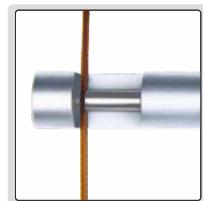


WIRE MICROMETER

- 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 |

6

CAN SEAM MICROMETERS



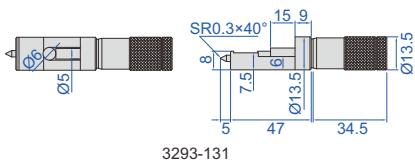
3293-131



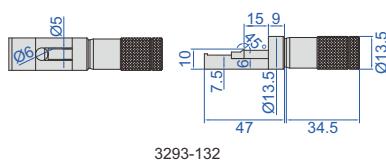
3293-132



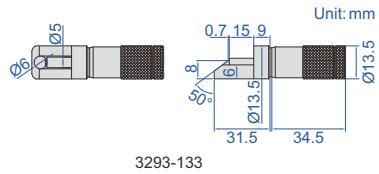
3293-133



3293-131



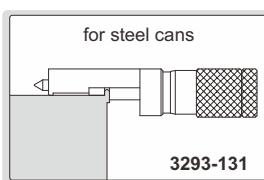
3293-132



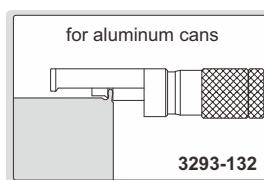
3293-133

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

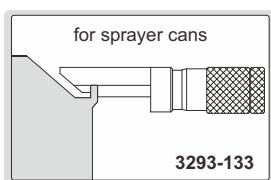
| Code | Range | Accuracy |
|----------|--------|----------|
| 3293-131 | 0-13mm | 4µm |
| 3293-132 | 0-13mm | 4µm |
| 3293-133 | 0-13mm | 4µm |



3293-131



3293-132



3293-133

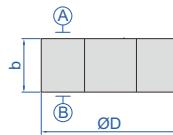
OPTICAL PARALLELS

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



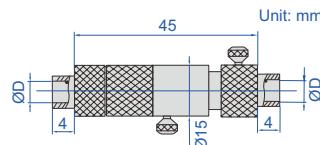
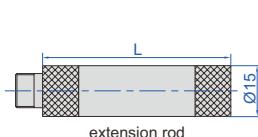
4184-41A

| 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 |



MEASURING TIPS DIAMETER
ØD CAN BE CUSTOMIZED

PARALLELISM INSPECT DEVICES FOR OUTSIDE MICROMETERS



4199-1000



- Check parallelism of outside micrometers
- Simple structure, wide measuring range, high reliability
- Stainless steel measuring tips and extension rod
- Supplied with two kinds of measuring tips

6

| Code | Range | Measuring tips dia. (ØD) | Extension rod (L) |
|-----------|-----------|--------------------------|---|
| 4199-1000 | 50-1000mm | 6.5mm, 8mm | 15mm, 25mm, 50mm, 100mm (3 pcs), 150mm, 200mm (2 pcs) |
| 4199-2000 | 50-2000mm | 6.5mm, 8mm | 15mm, 25mm, 50mm, 100mm (3 pcs), 150mm, 200mm (7 pcs) |

MICROMETER MEASURING FORCE DETECTOR

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



| Code | Measuring force |
|------|-----------------|
| 6315 | 5-12N |

6315

MICROMETER INSPECTION GAGE BLOCK SETS



4107-10



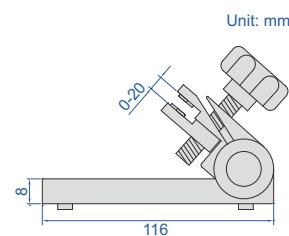
4160-10

- Suitable for outside micrometers up to 100mm

| Code |
|------|
| 6300 |

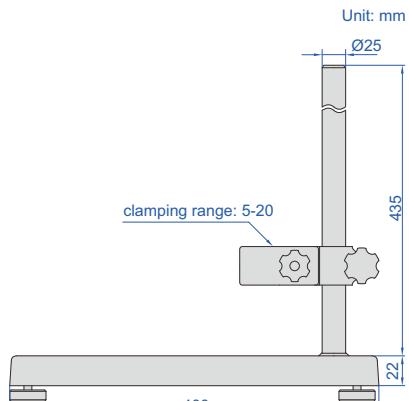


6300



MICROMETER STAND

MICROMETER STAND



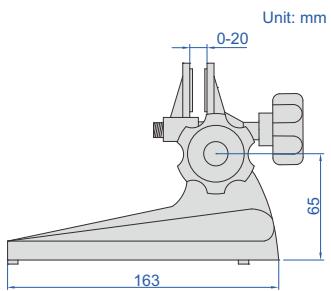
6

Code
6302

- Suitable for 100-300mm outside micrometers (except 3675 series)

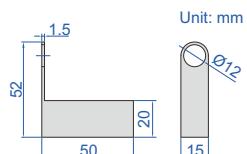
MICROMETER STAND

- Suitable for outside micrometers up to 100mm



6301

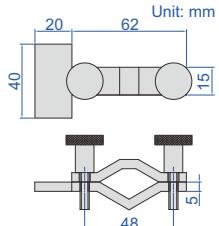
- Suitable for inside micrometers



6301-1

| Code | Description | Applicable products |
|---------------|------------------------------|---------------------------------|
| 6301-1 | clamp for inside micrometers | all sizes of 3220 series |

- Suitable for three points internal micrometers



6301-2

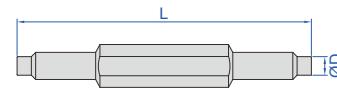
| Code | Description | Applicable products |
|---------------|---|---|
| 6301-2 | clamp for three points internal micrometers | up to 100mm of 3127 and 3227 series |

MICROMETER SETTING STANDARDS

INSIZE PLUS
MADE IN EUROPE



7386-100



- Suitable for outside micrometers

| Code | Length (L) | Accuracy | ØD |
|----------|------------|-----------------------|-------|
| 7386-25 | 25mm | $\pm 1.25\mu\text{m}$ | 6.5mm |
| 7386-50 | 50mm | $\pm 1.25\mu\text{m}$ | 6.5mm |
| 7386-75 | 75mm | $\pm 1.5\mu\text{m}$ | 6.5mm |
| 7386-100 | 100mm | $\pm 2\mu\text{m}$ | 6.5mm |
| 7386-125 | 125mm | $\pm 2.5\mu\text{m}$ | 6.5mm |
| 7386-150 | 150mm | $\pm 2.5\mu\text{m}$ | 6.5mm |
| 7386-175 | 175mm | $\pm 2.5\mu\text{m}$ | 6.5mm |
| 7386-200 | 200mm | $\pm 3\mu\text{m}$ | 6.5mm |
| 7386-225 | 225mm | $\pm 3\mu\text{m}$ | 6.5mm |
| 7386-250 | 250mm | $\pm 3\mu\text{m}$ | 6.5mm |
| 7386-275 | 275mm | $\pm 3\mu\text{m}$ | 6.5mm |
| 7386-300 | 300mm | $\pm 3\mu\text{m}$ | 10mm |
| 7386-325 | 325mm | $\pm 3.5\mu\text{m}$ | 10mm |
| 7386-350 | 350mm | $\pm 3.5\mu\text{m}$ | 10mm |
| 7386-375 | 375mm | $\pm 3.5\mu\text{m}$ | 10mm |
| 7386-400 | 400mm | $\pm 3.5\mu\text{m}$ | 10mm |

| Code | Length (L) | Accuracy | ØD |
|----------|------------|----------------------|------|
| 7386-425 | 425mm | $\pm 3.5\mu\text{m}$ | 10mm |
| 7386-450 | 450mm | $\pm 3.5\mu\text{m}$ | 10mm |
| 7386-475 | 475mm | $\pm 3.5\mu\text{m}$ | 10mm |
| 7386-500 | 500mm | $\pm 3.5\mu\text{m}$ | 10mm |
| 7386-525 | 525mm | $\pm 3.5\mu\text{m}$ | 10mm |
| 7386-550 | 550mm | $\pm 3.5\mu\text{m}$ | 10mm |
| 7386-575 | 575mm | $\pm 3.5\mu\text{m}$ | 10mm |
| 7386-600 | 600mm | $\pm 3.5\mu\text{m}$ | 10mm |
| 7386-625 | 625mm | $\pm 4\mu\text{m}$ | 10mm |
| 7386-650 | 650mm | $\pm 4\mu\text{m}$ | 10mm |
| 7386-675 | 675mm | $\pm 4\mu\text{m}$ | 10mm |
| 7386-700 | 700mm | $\pm 4\mu\text{m}$ | 10mm |
| 7386-725 | 725mm | $\pm 4\mu\text{m}$ | 10mm |
| 7386-750 | 750mm | $\pm 4\mu\text{m}$ | 10mm |
| 7386-775 | 775mm | $\pm 4\mu\text{m}$ | 10mm |
| 7386-800 | 800mm | $\pm 4\mu\text{m}$ | 10mm |
| 7386-825 | 825mm | $\pm 4\mu\text{m}$ | 10mm |

| Code | Length (L) | Accuracy | ØD |
|-----------|------------|---------------------|------|
| 7386-850 | 850mm | $\pm 4\mu\text{m}$ | 10mm |
| 7386-875 | 875mm | $\pm 4\mu\text{m}$ | 10mm |
| 7386-900 | 900mm | $\pm 5\mu\text{m}$ | 10mm |
| 7386-925 | 925mm | $\pm 5\mu\text{m}$ | 10mm |
| 7386-950 | 950mm | $\pm 5\mu\text{m}$ | 10mm |
| 7386-975 | 975mm | $\pm 5\mu\text{m}$ | 10mm |
| 7386-1000 | 1000mm | $\pm 5\mu\text{m}$ | 10mm |
| 7386-1050 | 1050mm | $\pm 5\mu\text{m}$ | 10mm |
| 7386-1150 | 1150mm | $\pm 6\mu\text{m}$ | 10mm |
| 7386-1250 | 1250mm | $\pm 7\mu\text{m}$ | 10mm |
| 7386-1350 | 1350mm | $\pm 7\mu\text{m}$ | 10mm |
| 7386-1450 | 1450mm | $\pm 7\mu\text{m}$ | 10mm |
| 7386-1550 | 1550mm | $\pm 9\mu\text{m}$ | 10mm |
| 7386-1650 | 1650mm | $\pm 10\mu\text{m}$ | 10mm |
| 7386-1750 | 1750mm | $\pm 10\mu\text{m}$ | 10mm |
| 7386-1850 | 1850mm | $\pm 11\mu\text{m}$ | 10mm |
| 7386-1950 | 1950mm | $\pm 12\mu\text{m}$ | 10mm |

6

MICROMETER SETTING STANDARDS



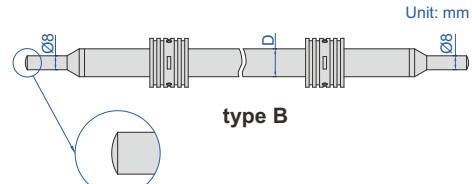
6310-100



type A



6310-300



type B

| Code | Length | Type | Accuracy | D |
|----------|--------|------|----------------------|------------------|
| 6310-25 | 25 | A | $\pm 1.5\mu\text{m}$ | $\varnothing 7$ |
| 6310-50 | 50 | A | $\pm 2\mu\text{m}$ | $\varnothing 7$ |
| 6310-75 | 75 | A | $\pm 2.5\mu\text{m}$ | $\varnothing 7$ |
| 6310-100 | 100 | A | $\pm 3\mu\text{m}$ | $\varnothing 8$ |
| 6310-125 | 125 | A | $\pm 3.5\mu\text{m}$ | $\varnothing 8$ |
| 6310-150 | 150 | A | $\pm 4\mu\text{m}$ | $\varnothing 8$ |
| 6310-175 | 175 | A | $\pm 4.5\mu\text{m}$ | $\varnothing 8$ |
| 6310-200 | 200 | A | $\pm 5\mu\text{m}$ | $\varnothing 8$ |
| 6310-225 | 225 | A | $\pm 5.5\mu\text{m}$ | $\varnothing 8$ |
| 6310-250 | 250 | A | $\pm 6\mu\text{m}$ | $\varnothing 8$ |
| 6310-275 | 275 | A | $\pm 6.5\mu\text{m}$ | $\varnothing 8$ |
| 6310-300 | 300 | B | $\pm 7\mu\text{m}$ | $\varnothing 16$ |
| 6310-325 | 325 | B | $\pm 7.5\mu\text{m}$ | $\varnothing 16$ |
| 6310-350 | 350 | B | $\pm 8\mu\text{m}$ | $\varnothing 16$ |
| 6310-375 | 375 | B | $\pm 8.5\mu\text{m}$ | $\varnothing 16$ |

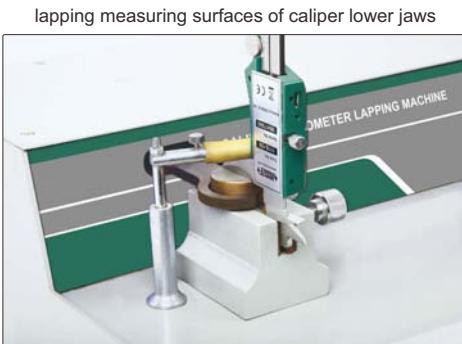
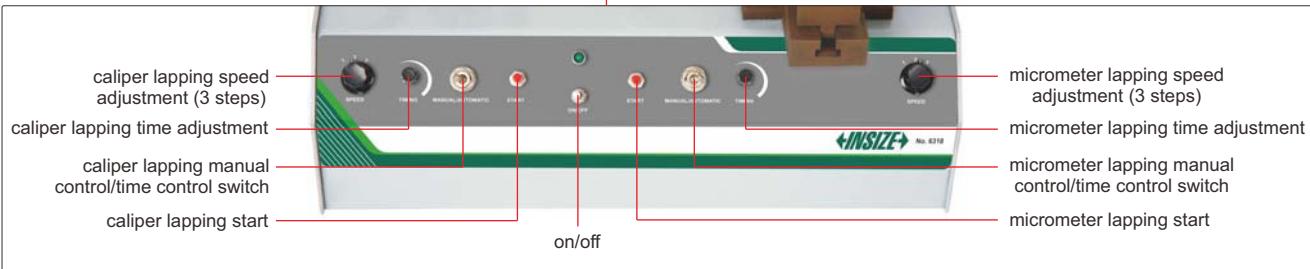
| Code | Length | Type | Accuracy | D |
|----------|--------|------|-----------------------|------------------|
| 6310-400 | 400 | B | $\pm 9\mu\text{m}$ | $\varnothing 16$ |
| 6310-425 | 425 | B | $\pm 9.5\mu\text{m}$ | $\varnothing 16$ |
| 6310-450 | 450 | B | $\pm 10\mu\text{m}$ | $\varnothing 16$ |
| 6310-475 | 475 | B | $\pm 10.5\mu\text{m}$ | $\varnothing 16$ |
| 6310-500 | 500 | B | $\pm 11\mu\text{m}$ | $\varnothing 16$ |
| 6310-525 | 525 | B | $\pm 11.5\mu\text{m}$ | $\varnothing 16$ |
| 6310-575 | 575 | B | $\pm 12.5\mu\text{m}$ | $\varnothing 16$ |
| 6310-625 | 625 | B | $\pm 13.5\mu\text{m}$ | $\varnothing 16$ |
| 6310-675 | 675 | B | $\pm 14.5\mu\text{m}$ | $\varnothing 16$ |
| 6310-725 | 725 | B | $\pm 15.5\mu\text{m}$ | $\varnothing 16$ |
| 6310-775 | 775 | B | $\pm 16.5\mu\text{m}$ | $\varnothing 16$ |
| 6310-825 | 825 | B | $\pm 17.5\mu\text{m}$ | $\varnothing 16$ |
| 6310-875 | 875 | B | $\pm 18.5\mu\text{m}$ | $\varnothing 16$ |
| 6310-925 | 925 | B | $\pm 19.5\mu\text{m}$ | $\varnothing 16$ |
| 6310-975 | 975 | B | $\pm 20.5\mu\text{m}$ | $\varnothing 16$ |

| Code | Length | Type | Accuracy | D |
|-----------|--------|------|---------------------|------------------|
| 6310-1050 | 1050 | B | $\pm 22\mu\text{m}$ | $\varnothing 23$ |
| 6310-1150 | 1150 | B | $\pm 24\mu\text{m}$ | $\varnothing 23$ |
| 6310-1250 | 1250 | B | $\pm 26\mu\text{m}$ | $\varnothing 23$ |
| 6310-1350 | 1350 | B | $\pm 28\mu\text{m}$ | $\varnothing 23$ |
| 6310-1450 | 1450 | B | $\pm 30\mu\text{m}$ | $\varnothing 23$ |
| 6310-1550 | 1550 | B | $\pm 32\mu\text{m}$ | $\varnothing 23$ |
| 6310-1650 | 1650 | B | $\pm 34\mu\text{m}$ | $\varnothing 23$ |
| 6310-1750 | 1750 | B | $\pm 36\mu\text{m}$ | $\varnothing 23$ |
| 6310-1850 | 1850 | B | $\pm 38\mu\text{m}$ | $\varnothing 23$ |
| 6310-1950 | 1950 | B | $\pm 40\mu\text{m}$ | $\varnothing 23$ |

CALIPER/MICROMETER LAPPING MACHINE CODE 6318



6



- For lapping measuring surfaces of caliper lower jaws and outside micrometers
- Suitable for 0-300mm range calipers and 0-100mm range outside micrometers
- Supplied with lapping block and diamond paste for calipers
- Lapping blocks for micrometers are optional, diamond paste is included
- Optional accessory: micrometer lapping blocks

caliper lapping block (included)



micrometer lapping blocks (code: 6307-1, optional)



SPECIFICATION

| | |
|--------------------------|---------------|
| Power supply | 220V, 50/60Hz |
| Dimension (L×W×H) | 430×400×210mm |
| Weight | 28kg |

MICROMETER LAPPING BLOCKS (optional)

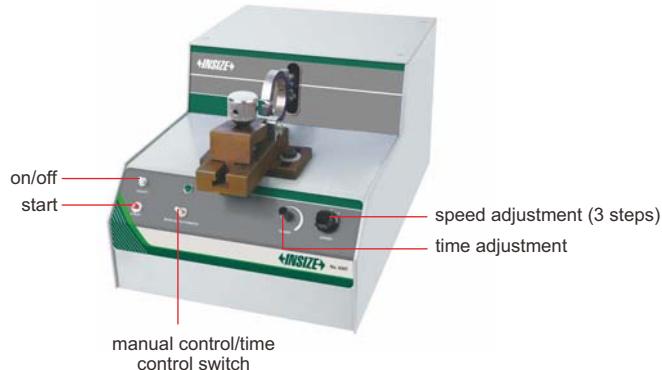
| Code | For micrometer | Remark |
|--------|----------------|---------------------------|
| 6307-1 | 0~25mm | includes 4 lapping blocks |
| 6307-2 | 25~50mm | includes 4 lapping blocks |
| 6307-3 | 50~75mm | includes 4 lapping blocks |
| 6307-4 | 75~100mm | includes 4 lapping blocks |



MICROMETER LAPPING MACHINE

CODE 6307

- Used for lapping micrometer measuring surfaces
 - Suitable for 0~100mm outside micrometers
 - Supplied with diamond paste
 - Optional accessory: micrometer lapping blocks



SPECIFICATION

| | |
|--------------------------|---------------|
| Power supply | 220V, 50/60HZ |
| Dimension (L×W×H) | 360×230×210mm |
| Weight | 15kg |

6

MICROMETER LAPPING BLOCKS (optional)

| Code | For micrometer | Remark |
|---------------|-----------------------|---------------------------|
| 6307-1 | 0~25mm | includes 4 lapping blocks |
| 6307-2 | 25~50mm | includes 4 lapping blocks |
| 6307-3 | 50~75mm | includes 4 lapping blocks |
| 6307-4 | 75~100mm | includes 4 lapping blocks |

micrometer lapping blocks (code: 6307-1, optional)

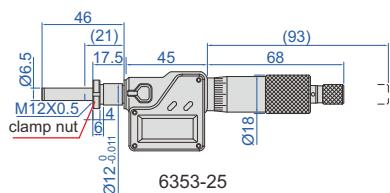


DIGITAL MICROMETER HEADS

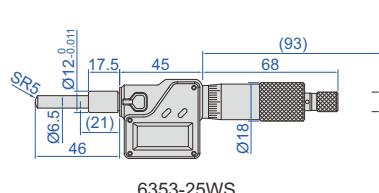
- Resolution: 0.001mm/0.00005"
 - IP65 dust/waterproof
 - Button function: on/off, set, mm/inch, data transmit
 - Data output, automatic power off
 - Ratchet stop
 - Optional accessory: data output cable
(code **7315-31 need receiver** page 4,
7302-31 page 12)



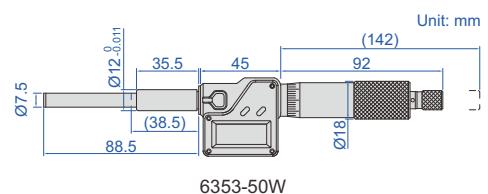
6353-25W



6353-25



6353-25WS



6353-50W

Rotating spindle

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

Non-rotating spindle

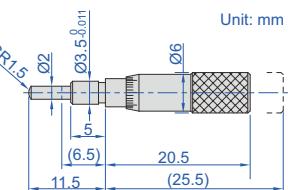
| Code | Range | Stem | Spindle tip | Accuracy |
|-----------------|-------------|-------|-------------|----------|
| 6354-25W | 0-25mm/0-1" | plain | flat | ±2µm |

SMALL MICROMETER HEAD

- Graduation: 0.02mm



6372-5WS



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

SMALL MICROMETER HEADS

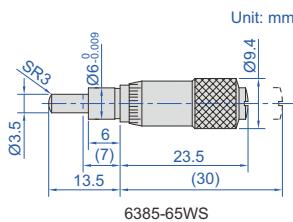
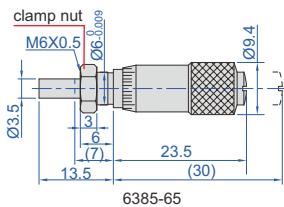
6

- Range: 0-6.5mm
- Graduation: 0.01mm
- Accuracy: 5µm



6385-65W

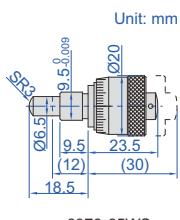
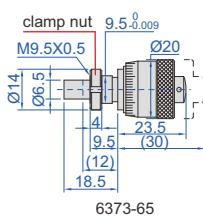
| Code | Stem | Spindle tip |
|-----------|----------------|-----------------|
| 6385-65 | with clamp nut | flat |
| 6385-65W | plain | flat |
| 6385-65S | with clamp nut | spherical (SR3) |
| 6385-65WS | plain | spherical (SR3) |



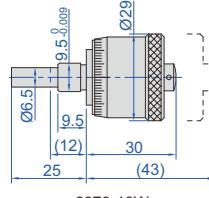
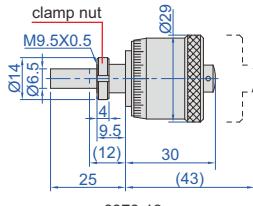
LARGE THIMBLE MICROMETER HEADS



6373-65



6373-13



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

- Meet DIN863-2
- Large thimble diameter for easy reading
- Graduation: 0.01mm
- Accuracy: 3µm

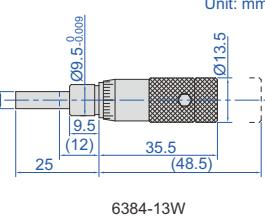
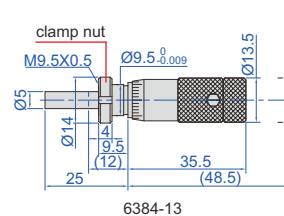
MICROMETER HEADS WITH ZERO ADJUSTABLE THIMBLE

- Meet DIN863-2
- Range: 0-13mm
- Graduation: 0.01mm
- Accuracy: 3μm
- The thimble can be set to zero at any position



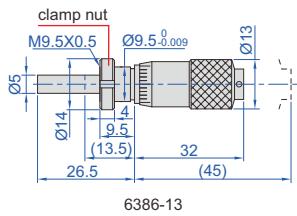
6384-13W

| Code | Stem | Spindle tip |
|----------|----------------|-------------|
| 6384-13 | with clamp nut | flat |
| 6384-13W | plain | flat |

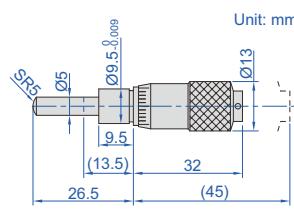


MICROMETER HEADS

6



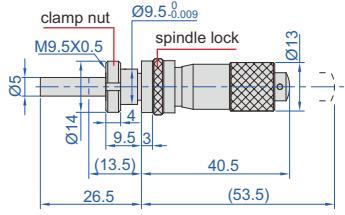
6386-13



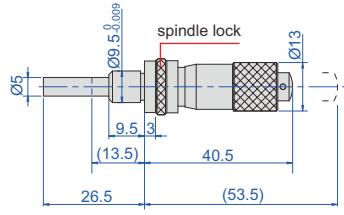
6386-13WS



6386-13W



6386-13P



6386-13WP



6386-13P

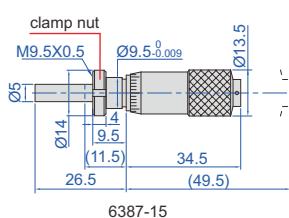
| Code | Range | Stem | Spindle tip | Remark | Accuracy |
|-----------|--------|----------------|-----------------|-------------------|----------|
| 6386-13 | 0-13mm | with clamp nut | flat | | 3μm |
| 6386-13W | 0-13mm | plain | flat | | 3μm |
| 6386-13S | 0-13mm | with clamp nut | spherical (SR5) |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

- Meet DIN863-2
- Graduation: 0.01mm

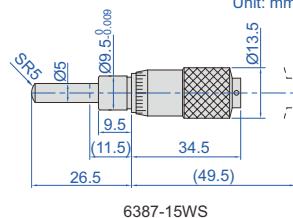
- Meet DIN863-2
- Graduation: 0.01mm
- Accuracy: 3μm



6387-15WS



6387-15



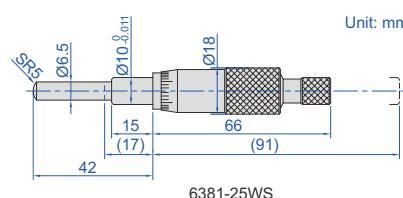
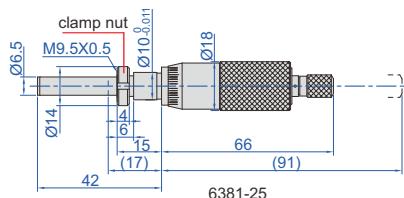
6387-15WS

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

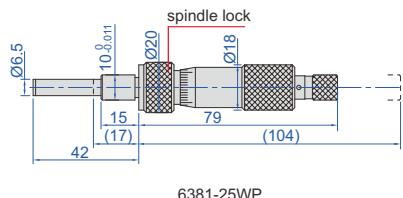
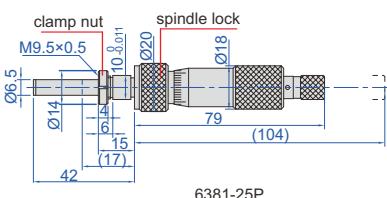
MICROMETER HEADS



6381-25



6381-25P



6

- Meet DIN863-2
- Graduation: 0.01mm
- Ratchet stop

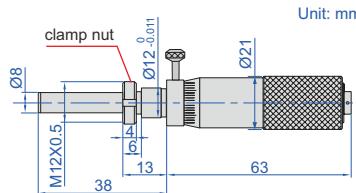
| Code | Range | Stem | Spindle tip | Remark | Accuracy |
|-----------|--------|----------------|-----------------|-------------------|----------|
| 6381-25 | 0-25mm | with clamp nut | flat (carbide) | | 3µm |
| 6381-25W | 0-25mm | plain | flat (carbide) | | 3µm |
| 6381-25S | 0-25mm | with clamp nut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

MICROMETER HEADS

NON-ROTATING SPINDLE



6389-1A



- Non-rotating spindle
- One turn of sleeve makes 0.05mm spindle feed
- Carbide measuring faces

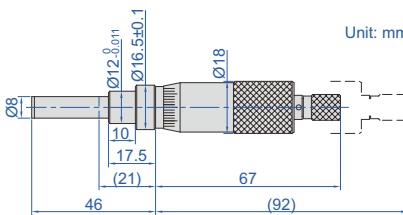
| Code | Range | Graduation | Accuracy | |
|---------|---------|------------|------------|---------------|
| | | | full range | within 0.05mm |
| 6389-1A | 0-2.5mm | 0.001mm | 5µm | 1.5µm |
| 6389-2A | 0-2.5mm | 0.001mm | 7µm | 3µm |

NON-ROTATING SPINDLE MICROMETER HEAD

- Meet DIN863-2
- Graduation: 0.01mm
- Ratchet stop
- Non-rotating spindle



6377-25W

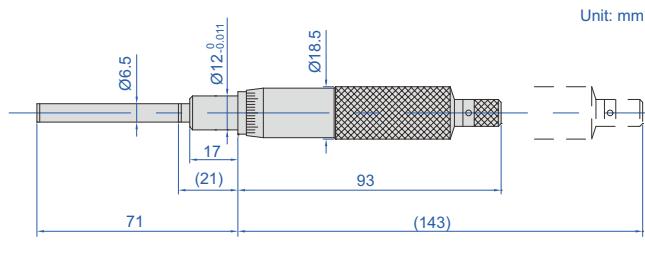
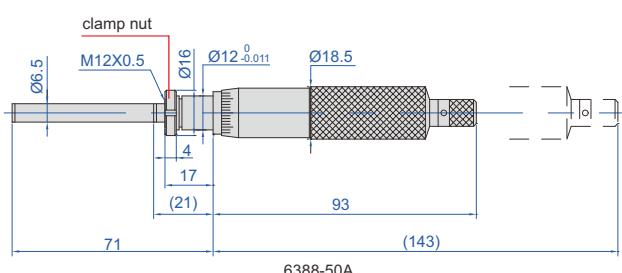


| Code | Range | Stem | Spindle tip | Accuracy |
|----------|--------|-------|----------------|----------|
| 6377-25W | 0-25mm | plain | flat (carbide) | 3µm |

LARGE MICROMETER HEADS



6388-50AW



6

- Graduation: 0.01mm
- Ratchet stop

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

QUICK SPINDLE FEEDING MICROMETER HEADS



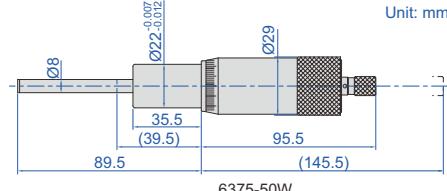
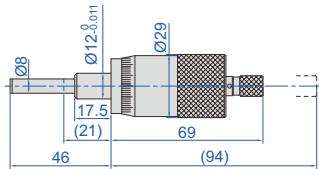
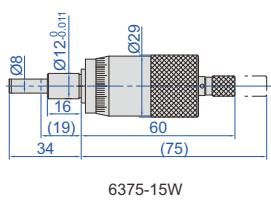
6375-15W



6375-25W



6375-50W



- Micrometers up to 25mm meet DIN863-2
- Graduation: 0.01mm
- Quick spindle feed of 1mm/rev.
- Ratchet stop

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