

## SERIES 361

## DIGITAL THREE POINTS INSIDE MICROMETER



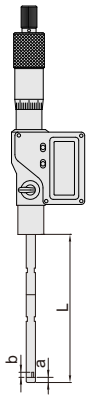
- ◆ Resolution: 0.001mm/0.00005"
- ◆ IP65 protection level
- ◆ Button: on/off, set, mm/inch, ABS/INC, data output
- ◆ Automatic power off
- ◆ Data output
- ◆ Ratchet stop
- ◆ Carbide measuring faces (over 12mm series)
- ◆ Extension rod are included
- ◆ Setting rings are included (Range<100mm)



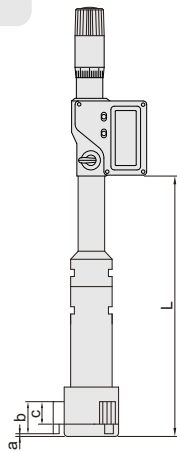
361-002-01



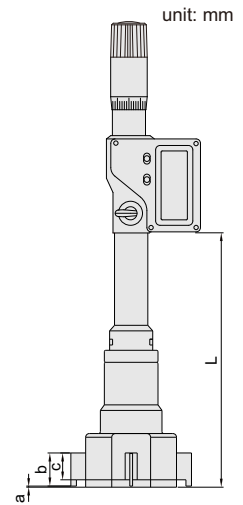
361-007-01



Range 6-20mm



Range 20-50mm

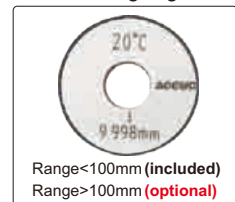


Range 50-300mm

unit: mm

Code	Range	Accuracy	Setting ring	Extension rod	a	b	c	L
361-001-01*	6-8mm/0.24-0.31"	4μm	Ø6mm(included)	100mm	1.5	2.5	/	57
361-002-01*	8-10mm/0.31-0.39"	4μm	Ø8mm(included)	100mm	1.5	2.5	/	57
361-003-01*	10-12mm/0.39-0.47"	4μm	Ø10mm(included)	100mm	1.5	2.5	/	57
361-004-01*	12-16mm/0.47-0.63"	4μm	Ø16mm(included)	150mm	0.5	6	4.5	72
361-005-01*	16-20mm/0.63-0.79"	4μm	Ø16mm(included)	150mm	0.5	6	4.5	72
361-006-01*	20-25mm/0.79-0.98"	4μm	Ø25mm(included)	150mm	0.5	8	6	105
361-007-01*	25-30mm/0.98-1.18"	4μm	Ø25mm(included)	150mm	0.5	8	6	105
361-008-01*	30-40mm/1.18-1.57"	4μm	Ø40mm(included)	150mm	0.5	14	12	110
361-009-01*	40-50mm/1.57-1.97"	5μm	Ø40mm(included)	150mm	0.5	14	12	110
361-010-01*	50-63mm/1.97-2.48"	5μm	Ø62mm(included)	150mm	0.5	17.5	14.5	127
361-011-01*	62-75mm/2.44-2.95"	5μm	Ø62mm(included)	150mm	0.5	17.5	14.5	127
361-012-01*	75-88mm/2.95-3.46"	5μm	Ø87mm(included)	150mm	0.5	17.5	14.5	127
361-013-01*	87-100mm/3.43-3.94"	5μm	Ø87mm(included)	150mm	0.5	17.5	14.5	127
361-014-01	100-125mm/3.94-4.92"	6μm	optional	150mm	0.9	29	25	175
361-015-01	125-150mm/4.92-5.91"	6μm	optional	150mm	0.9	29	25	175
361-016-01	150-175mm/5.91-6.89"	7μm	optional	150mm	0.9	29	25	175
361-017-01	175-200mm/6.89-7.87"	7μm	optional	150mm	0.9	29	25	175
361-018-01	200-225mm/7.87-8.86"	8μm	optional	150mm	0.9	29	25	175
361-019-01	225-250mm/8.86-9.84"	8μm	optional	150mm	0.9	29	25	175
361-020-01	250-275mm/9.84-10.83"	9μm	optional	150mm	0.9	29	25	175
361-024-01	275-300mm/10.83-11.81"	9μm	optional	150mm	0.9	29	25	175

Setting ring



Range<100mm (included)  
Range>100mm (optional)

Extension rod(included)



\* With manufacturer inspection certificate

**SERIES 361**

**DIGITAL TWO POINTS INSIDE MICROMETER**

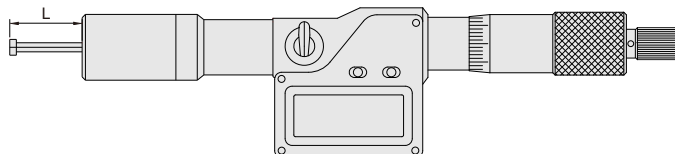


- ◆ Resolution: 0.001mm/0.00005"
- ◆ IP65 protection level
- ◆ Button: on/off, set, mm/inch, ABS/INC, data output
- ◆ Automatic power off
- ◆ Data output
- ◆ Ratchet stop
- ◆ Carbide measuring faces
- ◆ Setting rings are included



361-000-50

unit: mm



Code	Range	Accuracy	Setting ring	L
361-000-25	2-2.5mm/0.08-0.10"	6μm	Ø2.5mm	12
361-000-30	2.5-3mm/0.10-0.12"	6μm	Ø2.5mm	12
361-000-40	3-4mm/0.12-0.16"	6μm	Ø4mm	22
361-000-50	4-5mm/0.16-0.20"	6μm	Ø5mm	22
361-000-60	5-6mm/0.20-0.24"	6μm	Ø6mm	22

Setting ring(included)



**SERIES 361**

**DIGITAL TWO/THREE POINTS INSIDE MICROMETER SET**



Extension rod(included)

Setting ring(included)



**Digital two points inside micrometer set**

Code	Range	Micrometers included	Setting ring
361-000-02	2-3mm/0.08-0.12"	2-2.5mm, 2.5-3mm	Ø2.5mm
361-000-03	3-6mm/0.12-0.24"	3-4mm, 4-5mm, 5-6mm	Ø4mm, Ø5mm, Ø6mm

**Digital three points inside micrometer set**

Code	Range	Micrometers included	Setting ring	Extension rod
361-103-03	6-12mm	6-8, 8-10, 10-12mm	Ø6, Ø8, Ø10mm	100mm
361-305-03	12-20mm	12-16, 16-20mm	Ø16mm	150mm
361-509-05	20-50mm	20-25, 25-30, 30-40, 40-50mm	Ø25mm, Ø40mm	150mm
361-913-05	50-100mm	50-63, 62-75, 75-88, 87-100mm	Ø62mm, Ø87mm	150mm

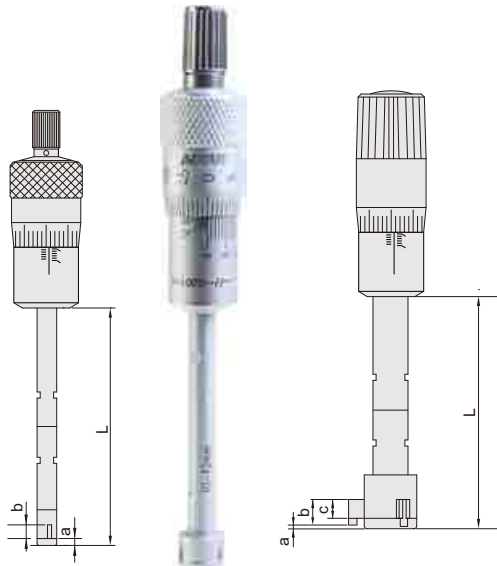


361-103-03

INSIDE/OUTSIDE MEASUREMENT

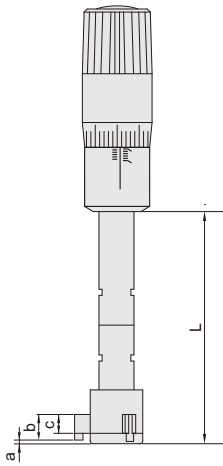


- ◆ 6-12mm graduation: 0.001mm  
Steel measuring faces
- ◆ 12-300mm graduation: 0.005mm  
Carbide measuring faces
- ◆ Ratchet stop
- ◆ Extension rod are included
- ◆ Setting rings are included (Range<100mm)



Range 6-12mm

362-003-01

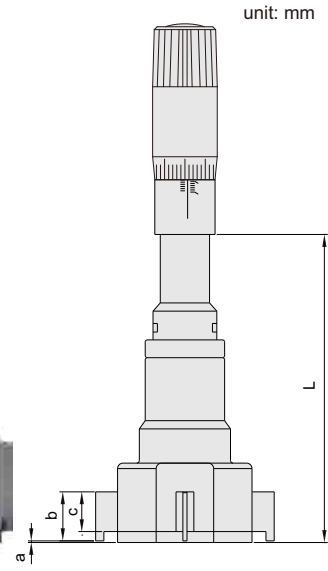


Range 12-50mm



362-008-01

362-014-01

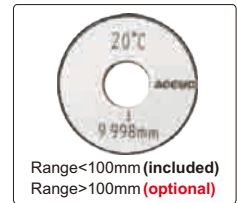


Range 50-300mm

unit: mm

Code	Range	Accuracy	Setting ring	Extension rod	a	b	c	L
362-001-01*	6-8mm	4μm	Ø6mm(included)	100mm	1.5	2.5	/	54.5
362-002-01*	8-10mm	4μm	Ø8mm(included)	100mm	1.5	2.5	/	54.5
362-003-01*	10-12mm	4μm	Ø10mm(included)	100mm	1.5	2.5	/	54.5
362-004-01*	12-16mm	4μm	Ø16mm(included)	150mm	0.5	6	4.5	80
362-005-01*	16-20mm	4μm	Ø16mm(included)	150mm	0.5	6	4.5	80
362-006-01*	20-25mm	4μm	Ø25mm(included)	150mm	0.5	8	6	90
362-007-01*	25-30mm	4μm	Ø25mm(included)	150mm	0.5	8	6	90
362-008-01*	30-40mm	4μm	Ø40mm(included)	150mm	0.5	14	12	97
362-009-01*	40-50mm	5μm	Ø40mm(included)	150mm	0.5	14	12	97
362-010-01*	50-63mm	5μm	Ø62mm(included)	150mm	0.5	17.5	14.5	114
362-011-01*	62-75mm	5μm	Ø62mm(included)	150mm	0.5	17.5	14.5	114
362-012-01*	75-88mm	5μm	Ø87mm(included)	150mm	0.5	17.5	14.5	114
362-013-01*	87-100mm	5μm	Ø87mm(included)	150mm	0.5	17.5	14.5	114
362-014-01	100-125mm	6μm	optional	150mm	0.9	29	25	140
362-015-01	125-150mm	6μm	optional	150mm	0.9	29	25	140
362-016-01	150-175mm	7μm	optional	150mm	0.9	29	25	140
362-017-01	175-200mm	7μm	optional	150mm	0.9	29	25	140
362-018-01	200-225mm	8μm	optional	150mm	0.9	29	25	140
362-019-01	225-250mm	8μm	optional	150mm	0.9	29	25	140
362-020-01	250-275mm	9μm	optional	150mm	0.9	29	25	140
362-024-01	275-300mm	9μm	optional	150mm	0.9	29	25	140

Setting ring



Extension rod(included)



\* With manufacturer inspection certificate



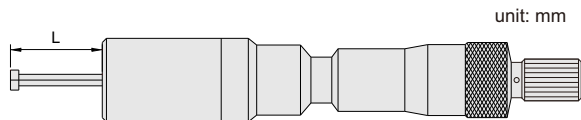
**SERIES 362**

**TWO POINTS INSIDE MICROMETER**

- ◆ Graduation: 0.001mm
- ◆ Carbide measuring faces
- ◆ Ratchet stop
- ◆ Setting rings are included



362-000-25



Code	Range	Accuracy	Setting ring	L
362-000-25	2-2.5mm	6μm	Ø2.5mm	12
362-000-30	2.5-3mm	6μm	Ø2.5mm	12
362-000-40	3-4mm	6μm	Ø4mm	22
362-000-50	4-5mm	6μm	Ø5mm	22
362-000-60	5-6mm	6μm	Ø6mm	22

Setting ring(included)



**SERIES 362**

**TWO/THREE POINTS INSIDE MICROMETER SET**



362-913-05

Two points inside micrometer set

Code	Range	Micrometers included	Setting ring
362-000-02	2-3mm	2-2.5mm, 2.5-3mm	Ø2.5mm
362-000-03	3-6mm	3-4mm, 4-5mm, 5-6mm	Ø4mm, Ø5mm, Ø6mm

Three points inside micrometer set

Code	Range	Micrometers included	Setting ring	Extension rod
362-103-03	6-12mm	6-8, 8-10, 10-12mm	Ø6, Ø8, Ø10mm	100mm
362-305-03	12-20mm	12-16, 16-20mm	Ø16mm	150mm
362-509-05	20-50mm	20-25, 25-30, 30-40, 40-50mm	Ø25mm, Ø40mm	150mm
362-913-05	50-100mm	50-63, 62-75, 75-88, 87-100mm	Ø62mm, Ø87mm	150mm

Extension rod(included)



Setting ring(included)



INSIDE/OUTSIDE MEASUREMENT

## SERIES 363

## WIDE RANGE THREE POINTS INTERNAL MICROMETER

- ◆ Graduation 0.001mm
- ◆ Ratchet stop
- ◆ Carbide measuring faces
- ◆ Setting rings are included(except 200-300mm)

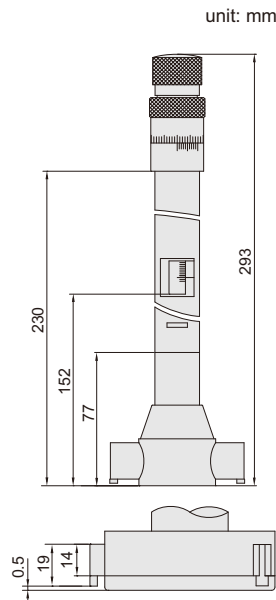
Setting ring



Code	Range	Accuracy	Setting ring
363-003-01	50-70mm	5μm	Ø50mm(included)
363-004-01	70-100mm	5μm	Ø70mm(included)
363-006-01	100-150mm	6μm	Ø100mm(included)
363-010-01	150-250mm	8μm	Ø150mm(included)
363-012-01	200-300mm	9μm	Ø200mm(optional)



363-003-01



## SERIES 364

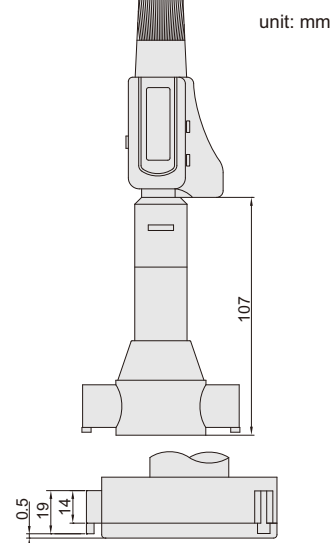
## DIGITAL WIDE RANGE THREE POINTS INTERNAL MICROMETER



- ◆ Resolution: 0.001mm/0.00005"
- ◆ IP54 protection level
- ◆ Buttons: on/off, set, mm/inch, ABS/INC
- ◆ Data output
- ◆ Automatic power off
- ◆ Carbide measuring faces
- ◆ Ratchet stop
- ◆ Supplied with extension rods
- ◆ Setting rings are included(except 200-300mm)



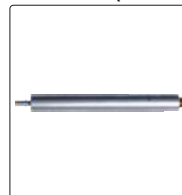
364-003-01



INSIDE/OUTSIDE MEASUREMENT

Code	Range	Accuracy	Setting ring	Extension rod
364-003-01	50-70mm/1.97-2.76"	5μm	Ø50mm(included)	150mm
364-004-01	70-100mm/2.76-3.94"	5μm	Ø70mm(included)	150mm
364-006-01	100-150mm/3.94-5.91"	6μm	Ø100mm(included)	150mm
364-010-01	150-250mm/5.91-9.84"	8μm	Ø150mm(included)	150mm
364-012-01	200-300mm/7.87-11.81"	9μm	Ø200mm(optional)	150mm

Extension rod(included)



Setting ring



# SERIES 365

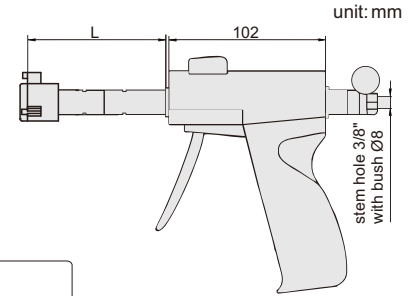
# PISTOL GRIP THREE POINTS BORE GAUGE



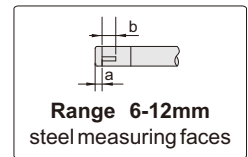
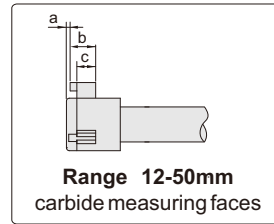
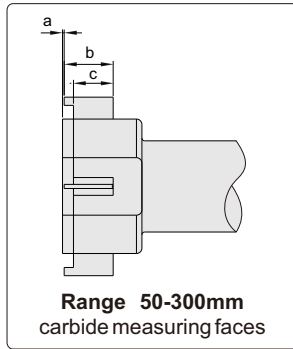
- Optional accessory:  
digital indicator (code: series 211 or 216)  
setting ring (code: series 531)



**216-010-01**  
digital indicator  
is optional



**365-007-01**

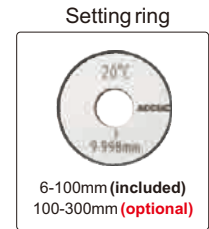


Extension rod (included)



### INDIVIDUAL

Code	Range	Accuracy	Setting ring	Extension rod	a	b	c	L
365-001-01	6-8mm/0.275-0.35"	4µm	Ø6mm (included)	100mm	1.5	2.5	/	50
365-002-01	8-10mm/0.35-0.425"	4µm	Ø8mm (included)	100mm	1.5	2.5	/	50
365-003-01	10-12mm/0.425-0.5"	4µm	Ø10mm (included)	100mm	1.5	2.5	/	50
365-004-01	12-16mm/0.5-0.65"	4µm	Ø16mm (included)	150mm	0.5	6	4.5	65
365-005-01	16-20mm/0.65-0.8"	4µm	Ø16mm (included)	150mm	0.5	6	4.5	65
365-006-01	20-25mm/0.8-1"	4µm	Ø25mm (included)	150mm	0.5	8	6	91
365-007-01	25-30mm/1-1.2"	4µm	Ø25mm (included)	150mm	0.5	8	6	91
365-008-01	30-40mm/1.2-1.6"	4µm	Ø40mm (included)	150mm	0.5	14	12	97
365-009-01	40-50mm/1.6-2"	5µm	Ø40mm (included)	150mm	0.5	14	12	97
365-010-01	50-63mm/2-2.5"	5µm	Ø62mm (included)	150mm	0.5	17.5	14.5	112
365-011-01	62-75mm/2.5-3"	5µm	Ø62mm (included)	150mm	0.5	17.5	14.5	112
365-012-01	75-88mm/3-3.5"	5µm	Ø87mm (included)	150mm	0.5	17.5	14.5	112
365-013-01	87-100mm/3.5-4"	5µm	Ø87mm (included)	150mm	0.5	17.5	14.5	112
365-014-01	100-125mm/4-5"	6µm	optional	150mm	0.9	29	25	140
365-015-01	125-150mm/5-6"	6µm	optional	150mm	0.9	29	25	140
365-016-01	150-175mm/6-7"	7µm	optional	150mm	0.9	29	25	140
365-017-01	175-200mm/7-8"	7µm	optional	150mm	0.9	29	25	140
365-018-01	200-225mm/8-9"	8µm	optional	150mm	0.9	29	25	140
365-019-01	225-250mm/9-10"	8µm	optional	150mm	0.9	29	25	140
365-020-01	250-275mm/10-11"	9µm	optional	150mm	0.9	29	25	140
365-024-01	275-300mm/11-12"	9µm	optional	150mm	0.9	29	25	140



Indicators (optional)



### SET

Code	Range	Micrometers included	Setting ring (included)	Extension rod (included)
365-103-03	6-12mm	6-8, 8-10, 10-12mm	Ø6, Ø8, Ø10mm	100mm
365-305-03	12-20mm	12-16, 16-20mm	Ø16mm	150mm
365-509-05	20-50mm	20-25, 25-30, 30-40, 40-50mm	Ø25mm, Ø40mm	150mm
365-913-05	50-100mm	50-63, 62-75, 75-88, 87-100mm	Ø62mm, Ø87mm	150mm

INSIDE/OUTSIDE  
MEASUREMENT

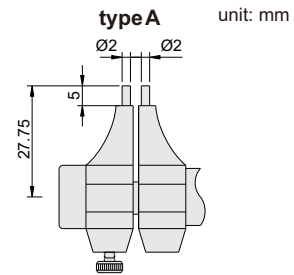
## SERIES 351

## INSIDE MICROMETER

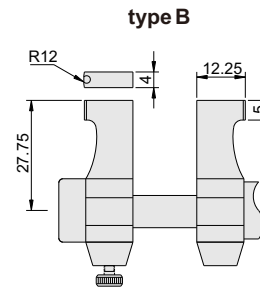
- ◆ Graduation: 0.01mm
- ◆ Carbide measuring faces
- ◆ Ratchet stop



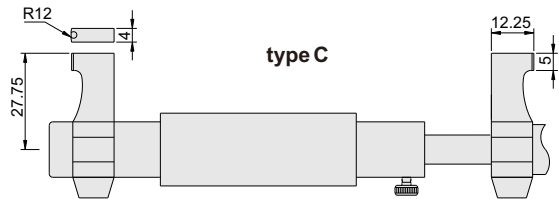
351-001-01



351-002-01



351-003-01



Code	Range	Accuracy	Type	Setting ring
351-001-01	5-30mm	5μm	A	5mm
351-002-01	25-50mm	6μm	B	25mm
351-003-01	50-75mm	7μm	C	optional
351-004-01	75-100mm	8μm	C	optional
351-005-01	100-125mm	9μm	C	optional
351-006-01	125-150mm	9μm	C	optional
351-007-01	150-175mm	10μm	C	optional
351-008-01	175-200mm	10μm	C	optional
351-009-01	200-225mm	11μm	C	optional
351-010-01	225-250mm	11μm	C	optional
351-011-01	250-275mm	12μm	C	optional
351-012-01	275-300mm	14μm	C	optional

Setting ring



## SERIES 356

## DIGITAL INSIDE MICROMETER

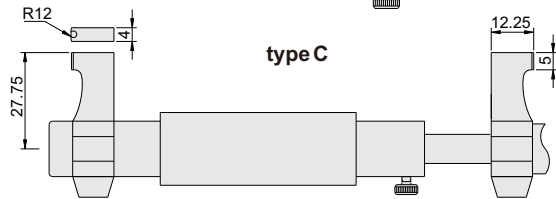
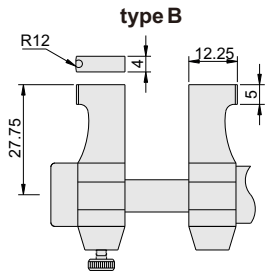
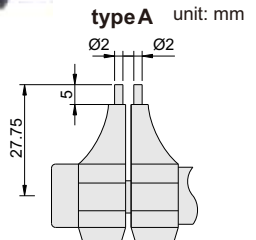
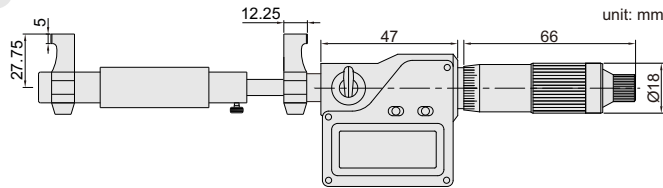
ATTENTION: LOW PARALLELISM OF TWO MEASURING FACES



- ◆ Resolution 0.001mm/0.00005"
- ◆ Button function: on/off, set, mm/inch, ABS/INC, data output
- ◆ Data output
- ◆ Automatic power off
- ◆ Ratchet stop
- ◆ Carbide measuring faces



356-003-01



Code	Range	Accuracy	Type	Setting ring
356-001-01	5-30mm/0.2-1.2"	±5μm	A	5mm
356-002-01	25-50mm/1-2"	±6μm	B	25mm
356-003-01	50-75mm/2-3"	±7μm	C	optional
356-004-01	75-100mm/3-4"	±8μm	C	optional
356-005-01	100-125mm/4-5"	±9μm	C	optional
356-006-01	125-150mm/5-6"	±9μm	C	optional
356-007-01	150-175mm/6-7"	±10μm	C	optional
356-008-01	175-200mm/7-8"	±10μm	C	optional

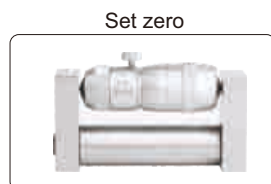
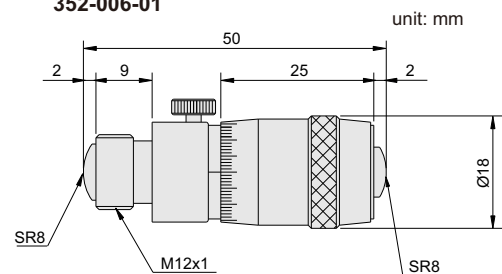
## SERIES 352

## TUBULAR INSIDE MICROMETER

- ◆ Graduation: 0.01mm
- ◆ Travel of micrometer head: 13mm
- ◆ Accuracy: (3+n+L/50)μm, n is number of rods, L is max. measuring length in mm
- ◆ Supplied with setting standards
- ◆ Carbide measuring faces



352-006-01



Code	Range	Extension rods (mm)
352-002-01	50-63mm	—
352-006-01	50-150mm	13, 25, 50
352-012-01	50-300mm	13, 25, 50(2pcs), 100
352-020-01	50-500mm	13, 25, 50(2pcs), 100, 200
352-024-01	50-600mm	13, 25, 50, 100, 150, 200
352-040-01	50-1000mm	13, 25, 50(2pcs), 100, 200(2pcs), 300
352-060-01	50-1500mm	13, 25, 50(2pcs), 100, 200(3pcs), 300(2pcs)

INSIDE/OUTSIDE MEASUREMENT





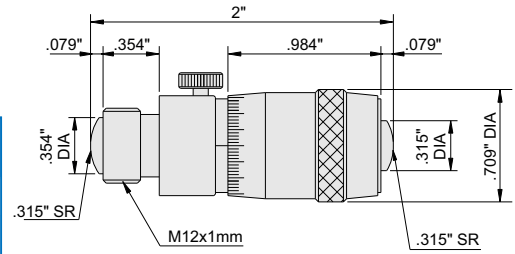
## SERIES 352

## TUBULAR INSIDE MICROMETER

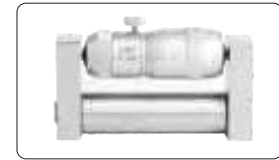
- ◆ Graduation: .001"
- ◆ Accuracy:  $[\text{.00005}(3+n+L/2)]$ ", n = number of rods, L = maximum measuring length (inch)
- ◆ Supplied with setting standards
- ◆ Carbide measuring faces



352-024-E01



Set zero



Code	Range	Travel of micrometer head	Extension rods
352-002-E01	2-2.5"	.5"	-
352-006-E01	2-6"	.5"	.5", 1", 2"
352-012-E01	2-12"	.5"	.5", 1", 2"(2pcs), 4"
352-020-E01	2-20"	.5"	.5", 1", 2"(2pcs), 4", 8"
352-024-E01	2-24"	.5"	.5", 1", 2", 4", 6", 8"
352-040-E01	2-40"	.5"	.5", 1", 2"(2pcs), 4", 8"(2pcs), 12"
352-060-E01	2-60"	.5"	.5", 1", 2"(2pcs), 4", 8"(3pcs), 12"(2pcs)

## SERIES 359

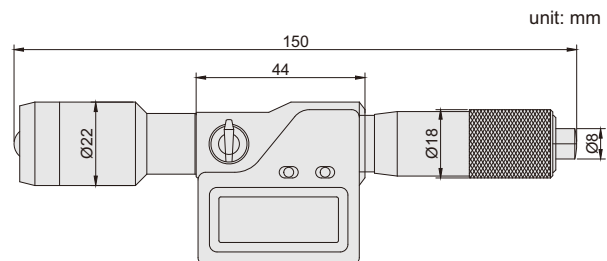
## DIGITAL TUBULAR INSIDE MICROMETER



- ◆ Micrometer head: 150-175mm
- ◆ Graduation: 0.001mm/0.00005"
- ◆ Accuracy:  $(3+n+L/50)\mu\text{m}$   
n = number of rods  
L = maximum measuring length (mm)
- ◆ Carbide measuring faces
- ◆ The diameter of extension rods is 22mm
- ◆ IP65 dust/waterproof
- ◆ Button function: on/off, set, mm/inch, ABS/INC
- ◆ Data output
- ◆ Automatic power off
- ◆ Supplied with setting standards



359-007-01



Set zero



Code	Range	Travel of micrometer head	Extension rods
359-007-01	150-175mm	25mm	-
359-040-01	150-1000mm	25mm	25, 50(2pcs), 100, 200, 400
359-060-01	150-1500mm	25mm	25, 50(2pcs), 100(2pcs), 200, 400(2pcs)
359-080-01	150-2000mm	25mm	25, 50(2pcs), 100, 200(2pcs), 400(3pcs)

**SERIES 353**

**TUBULAR INSIDE MICROMETER**

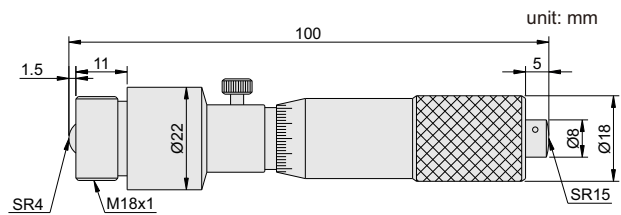
- ◆ Graduation 0.01mm
- ◆ Accuracy:  $(3+n+L/50)\mu\text{m}$   
n is number of rods, L is maximum measuring length in mm
- ◆ Travel of micrometer head: 25mm
- ◆ Supplied with setting standards
- ◆ Carbide measuring faces

Set zero



353-020-01

Code	Range	Extension rods (mm)
353-005-01	100-125mm	—
353-020-01	100-500mm	25, 50, 100, 200
353-036-01	100-900mm	25, 50, 100, 200, 400
353-052-01	100-1300mm	25, 50, 100, 200, 400(2pcs)
353-068-01	100-1700mm	25, 50, 100, 200, 400(3pcs)
353-084-01	100-2100mm	25, 50, 100, 200, 400(4pcs)

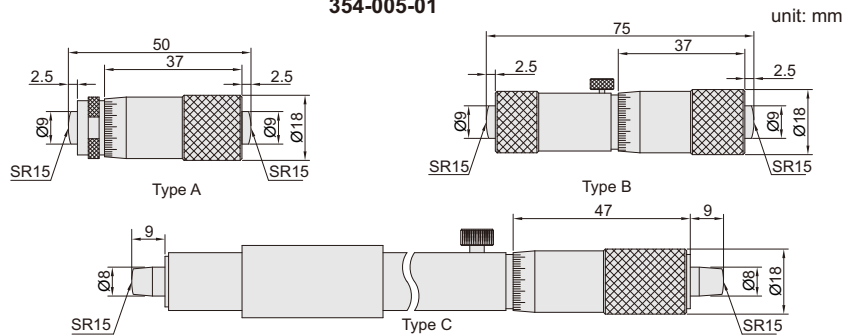


**SERIES 354**

**TUBULAR INSIDE MICROMETER**



354-005-01



- ◆ Graduation 0.01mm
- ◆ Carbide measuring faces

Code	Range	Type	Accuracy
354-003-01	50-75mm	A	5 $\mu\text{m}$
354-004-01	75-100mm	B	5 $\mu\text{m}$
354-005-01	100-125mm	C	6 $\mu\text{m}$
354-006-01	125-150mm	C	6 $\mu\text{m}$
354-007-01	150-175mm	C	7 $\mu\text{m}$
354-008-01	175-200mm	C	7 $\mu\text{m}$
354-009-01	200-225mm	C	8 $\mu\text{m}$
354-010-01	225-250mm	C	8 $\mu\text{m}$
354-011-01	250-275mm	C	9 $\mu\text{m}$

Code	Range	Type	Accuracy
354-012-01	275-300mm	C	9 $\mu\text{m}$
354-013-01	300-325mm	C	9 $\mu\text{m}$
354-014-01	325-350mm	C	9 $\mu\text{m}$
354-015-01	350-375mm	C	10 $\mu\text{m}$
354-016-01	375-400mm	C	10 $\mu\text{m}$
354-017-01	400-425mm	C	10 $\mu\text{m}$
354-018-01	425-450mm	C	10 $\mu\text{m}$
354-019-01	450-475mm	C	11 $\mu\text{m}$
354-020-01	475-500mm	C	11 $\mu\text{m}$

## SERIES 355

## TUBULAR INSIDE MICROMETER

- ◆ Graduation 0.01mm
- ◆ Accuracy:  $(6+L/50)\mu\text{m}$   
L=maximum measuring length(mm)
- ◆ Optional accessory: setting ring(code 531)

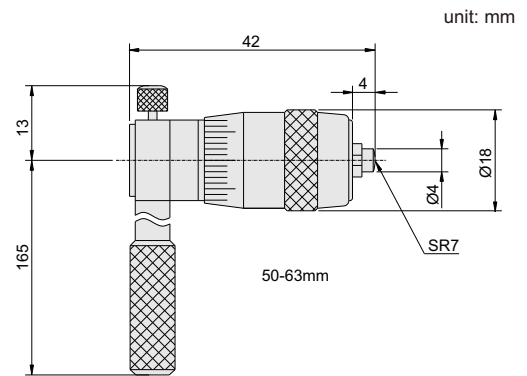


Setting ring(optional)



355-008-01

Code	Range	Extension rods	Travel of micrometer head
355-001-01	25-32mm	—	7mm
355-002-01	25-50mm	2pcs	7mm
355-003-01	50-63mm	—	13mm
355-008-01	50-200mm	6pcs	13mm
355-009-01	200-225mm	—	25mm
355-012-01	50-300mm	10pcs	13mm
355-020-01	200-500mm	3pcs	25mm
355-040-01	200-1000mm	8pcs	25mm



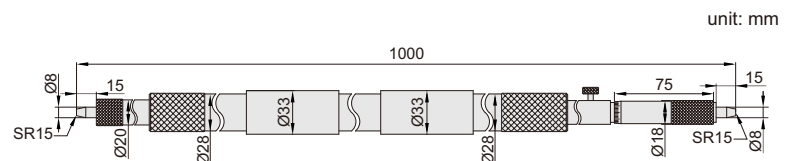
## SERIES 357

## TUBULAR INSIDE MICROMETER

- ◆ Graduation 0.01mm
- ◆ Accuracy:  $(7+n+L/50)\mu\text{m}$   
n=number of rods  
L=maximum measuring length(mm)
- ◆ Carbide measuring faces



357-080-01



Code	Range	Travel of micrometer head	Extension rods
357-080-01	1000-2000mm	50mm	50mm, 100mm(2pcs), 200mm, 500mm
357-120-01	1000-3000mm	50mm	50mm, 100mm(2pcs), 200mm, 500mm, 1000mm
357-160-01	1000-4000mm	50mm	50mm, 100mm(2pcs), 200mm, 500mm, 1000mm(2pcs)
357-200-01	1000-5000mm	50mm	50mm, 100mm(2pcs), 200mm, 500mm, 1000mm(3pcs)



## SERIES 358

## INTERNAL SCREW THREAD MICROMETER

◆ Graduation: 0.01mm



measuring tips for screw thread **(optional)**

358-004-01

measuring tips for screw thread **(optional)**

Measuring tips for internal screw thread micrometer **(optional)**



Code	Range
358-004-01	75-100mm
358-005-01	100-125mm
358-006-01	125-150mm

Code	Range
358-007-01	150-175mm
358-008-01	175-200mm
358-009-01	200-225mm

Code	Range
358-010-01	225-250mm
358-011-01	250-275mm
358-012-01	275-300mm

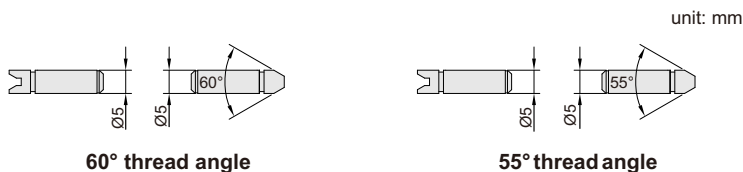
## SERIES 358

## MEASURING TIPS FOR INTERNAL SCREW THREAD MICROMETER

- ◆ Supplied in pair
- ◆ For 358 series micrometers



358-000-19



60° thread angle

55° thread angle

Metric and unified thread (60° thread angle)

Code	Pitch
358-000-01	0.4-0.5mm/ 64-48TPI
358-000-02	0.6-0.9mm/ 44-28TPI
358-000-03	1-1.75mm/ 24-14TPI
358-000-04	2-3mm/ 13-9TPI
358-000-05	3.5-5mm/ 8-5TPI
358-000-06	5.5-7mm/ 4.5-3.5TPI
358-000-TS	6 pairs/set, including all above tips

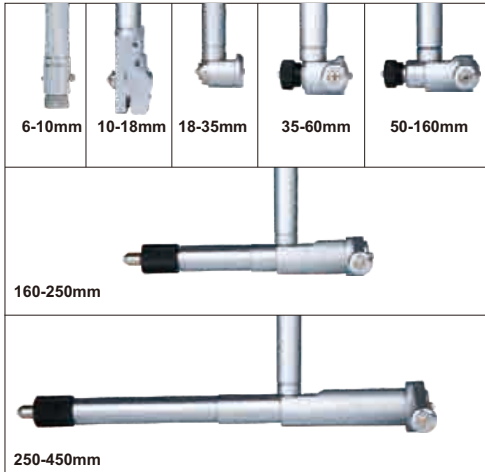
Whitworth thread (55° thread angle)

Code	Pitch
358-000-11	60-48TPI
358-000-12	48-40TPI
358-000-13	40-32TPI
358-000-14	32-24TPI
358-000-15	24-18TPI
358-000-16	18-14TPI
358-000-17	14-10TPI
358-000-18	10-7TPI
358-000-19	7-4.5TPI
358-000-20	4.5-3.5TPI
358-000-2TS	10 pairs/set, including all above tips

## SERIES 251

## DIAL BORE GAUGE SET

◆ Optional accessory: series 531 setting rings



Bore gauge setter for setting zero (optional)

Setting ring (optional)



Measuring tips (included)

Gasket (included)



Series 215 (optional)



251-046-11



251-346-13

Code	Range	indicator	Accuracy	Repeatability	Bore gages included
251-046-11	35-160mm	range 10mm graduation 0.01mm	35-50mm ±0.018mm 50-160mm ±0.018mm	0.003mm	35-50mm anvil (dial indicator and handle are not included) 50-160mm bore gage
251-346-13	18-160mm	range 10mm graduation 0.01mm	18-35mm ±0.015mm 35-60mm ±0.018mm 50-160mm ±0.018mm	0.003mm	18-35mm bore gage 35-60mm (dial indicator is not included) 50-160mm (dial indicator is not included)



**SERIES 251**

**DIAL BORE GAUGE**

◆ Optional accessory: series 531 setting rings

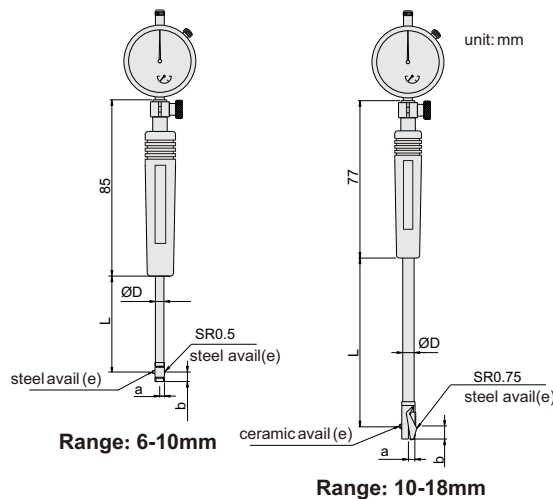


Bore gauge setter for setting zero (optional)

Setting ring (optional)

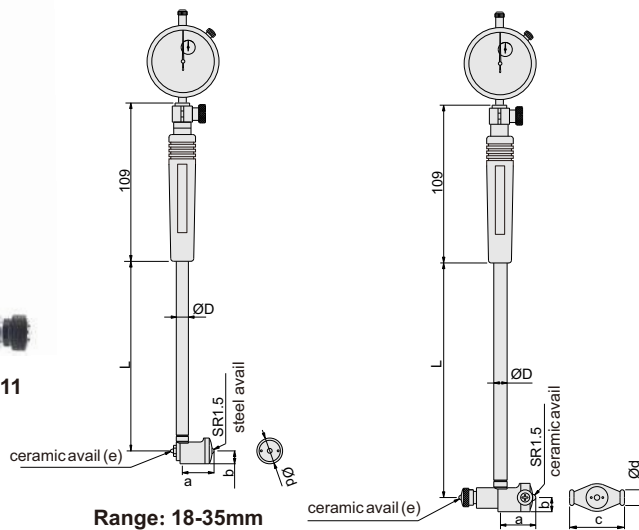


251-160-11



Range: 6-10mm

Range: 10-18mm



Range: 18-35mm

Range: 35-450mm

Measuring tips (included)

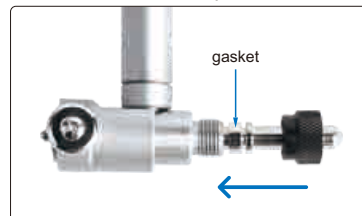
Gasket (included)



Series 215 (optional)



Install tips

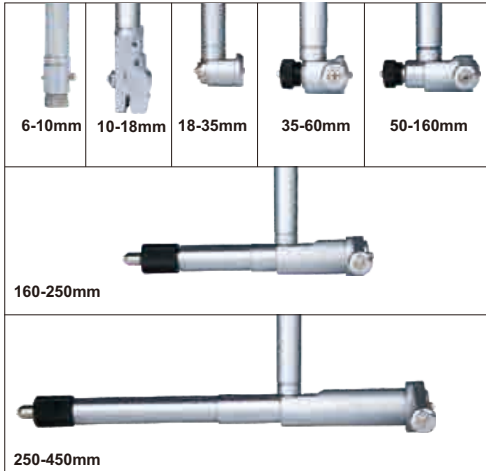


Code	Range	Dial indicator	Tips	Gasket	Accuracy	Repeatability	a	b	c	Ød	ØD	e	L
251-010-11	6-10mm	Range: 3mm graduation: 0.01mm	9pcs	2pcs	±0.012mm	3µm	3.6	5.7	/	/	4.5	SR1	48
251-018-11	10-18mm		9pcs	2pcs	±0.012mm	3µm	5.6	7.8	/	/	6	SR1	105
251-035-11	18-35mm	Range: 10mm graduation: 0.01mm	9pcs	2pcs	±0.015mm	3µm	12.2	6.4	/	12.7	9	SR1	141
251-060-11	35-60mm		6pcs	4pcs	±0.018mm	3µm	26	9	27	13	12.8	SR2	141
251-100-11	50-100mm		11pcs	4pcs	±0.018mm	3µm	26	9	35	13	12.8	SR2	141
251-160-11	50-160mm		12pcs	4pcs	±0.018mm	3µm	26	9	35	13	12.8	SR2	141
251-160-12	100-160mm		12pcs	4pcs	±0.018mm	3µm	26	9	35	13	12.8	SR2	141
251-250-11	160-250mm		5pcs	5pcs	±0.018mm	3µm	56.5	13	74.5	15	14.5	SR3.5	400
251-450-11	250-450mm		5pcs	5pcs	±0.018mm	3µm	86.5	15	101.5	15	14.5	SR3.5	400

## SERIES 251

## PRECISION DIAL BORE GAUGE

◆ Optional accessory: series 531 setting rings and long handle series 250.



Bore gauge setter for setting zero (optional)



Setting ring (optional)



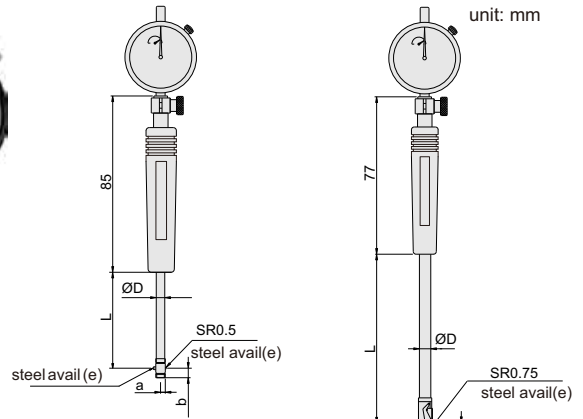
Measuring tips (included)



Gasket (included)

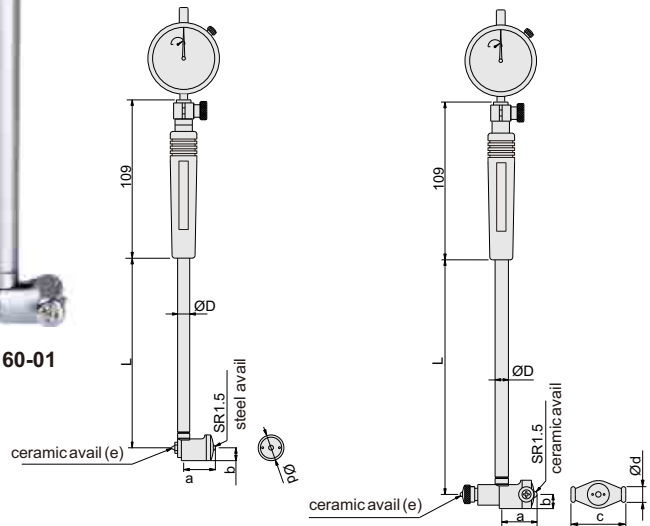


251-160-01



Range: 6-10mm

Range: 10-18mm



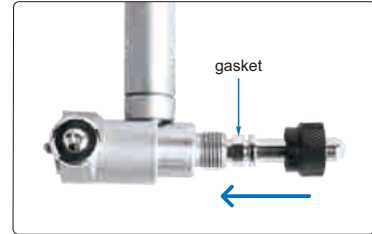
Range: 18-35mm

Range: 35-450mm

Series 215 (optional)



Install tips



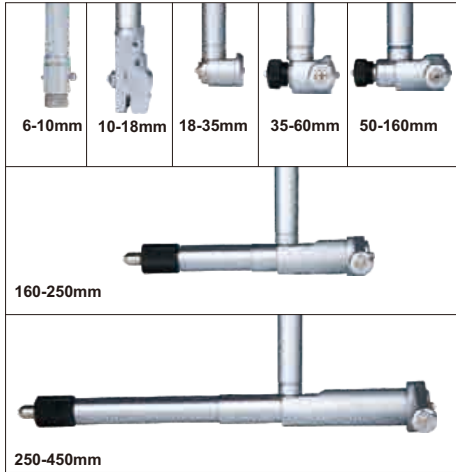
Code	Range	Dial indicator	Tips	Gasket	Accuracy	Repeatability	a	b	c	Ød	ØD	e	L
251-010-01	6-10mm	Range: 1mm graduation: 0.001mm	9pcs	2pcs	±0.005mm	2µm	3.6	5.7	/	/	4.5	SR1	48
251-018-01	10-18mm		9pcs	2pcs	±0.005mm	2µm	5.6	7.8	/	/	6	SR1	105
251-035-01	18-35mm		9pcs	2pcs	±0.006mm	2µm	12.2	6.4	/	12.7	9	SR1	141
251-060-01	35-60mm		6pcs	4pcs	±0.007mm	2µm	26	9	27	13	12.8	SR2	141
251-100-01	50-100mm		11pcs	4pcs	±0.007mm	2µm	26	9	35	13	12.8	SR2	141
251-160-01	50-160mm		12pcs	4pcs	±0.007mm	2µm	26	9	35	13	12.8	SR2	141
251-160-02	100-160mm		12pcs	4pcs	±0.007mm	2µm	26	9	35	13	12.8	SR2	141
251-250-01	160-250mm		5pcs	5pcs	±0.007mm	2µm	56.5	13	74.5	15	14.5	SR3.5	400
251-450-01	250-450mm		5pcs	5pcs	±0.007mm	2µm	86.5	15	101.5	15	14.5	SR3.5	400

# SERIES 241

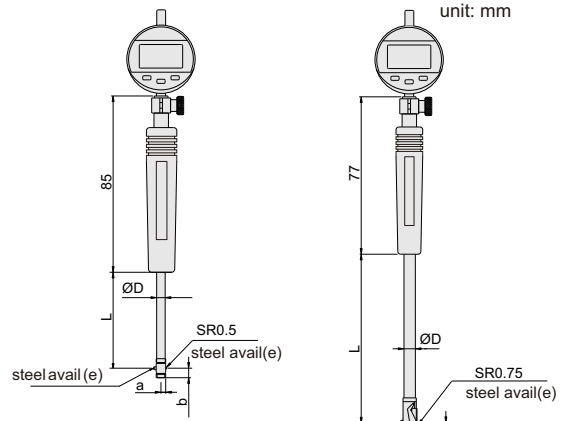
# DIGITAL PRECISION BORE GAUGE



- ◆ With min. value tracking function, get the diameter automatically
- ◆ Optional accessory: series 531 setting rings

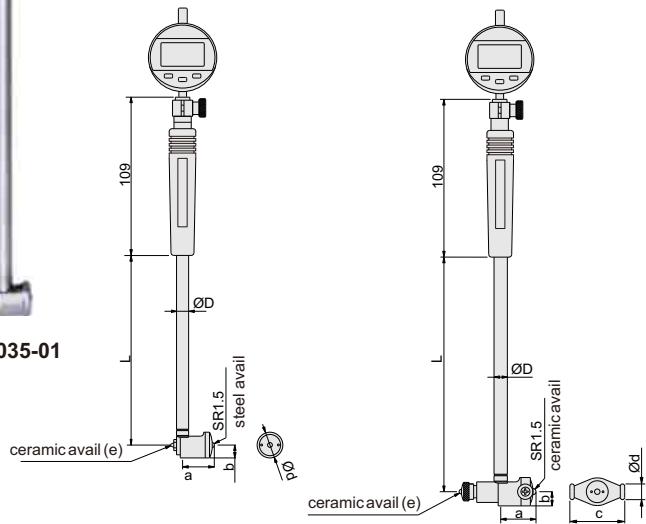


241-035-01



Range: 6-10mm

Range: 10-18mm



Range: 18-35mm

Range: 35-450mm

Bore gauge setter for setting zero (optional)

Setting ring (optional)

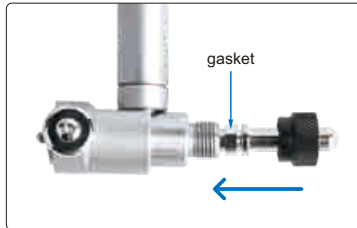


Measuring tips (included)

Gasket (included)



Install tips



Code	Range	Digital indicator	Tips	Gasket	Accuracy	Repeatability	a	b	c	Ød	ØD	e	L
241-010-01	6-10mm	Range: 12.7mm resolution: 0.001mm	9pcs	2pcs	±0.005mm	2µm	3.6	5.7	/	/	4.5	SR1	48
241-018-01	10-18mm		9pcs	2pcs	±0.005mm	2µm	5.6	7.8	/	/	6	SR1	105
241-035-01	18-35mm		9pcs	2pcs	±0.006mm	2µm	12.2	6.4	/	12.7	9	SR1	141
241-060-01	35-60mm		6pcs	4pcs	±0.007mm	2µm	26	9	27	13	12.8	SR2	141
241-100-01	50-100mm		11pcs	4pcs	±0.007mm	2µm	26	9	35	13	12.8	SR2	141
241-160-01	50-160mm		12pcs	4pcs	±0.007mm	2µm	26	9	35	13	12.8	SR2	141
241-160-02	100-160mm		12pcs	4pcs	±0.007mm	2µm	26	9	35	13	12.8	SR2	141
241-250-01	160-250mm		5pcs	5pcs	±0.007mm	2µm	56.5	13	74.5	15	14.5	SR3.5	400
241-450-01	250-450mm		5pcs	5pcs	±0.007mm	2µm	86.5	15	101.5	15	14.5	SR3.5	400

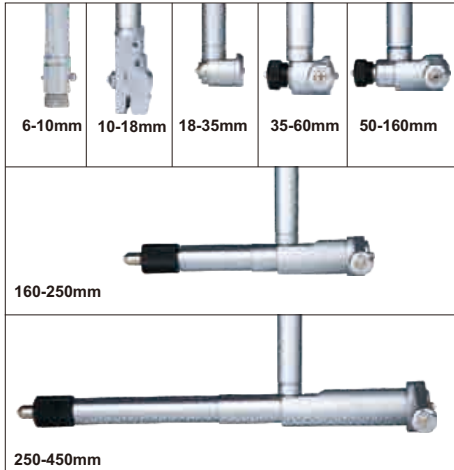


## SERIES 241

## DIGITAL BORE GAUGE



- ◆ With min. value tracking function, get the diameter automatically
- ◆ Optional accessory: series 531 setting rings



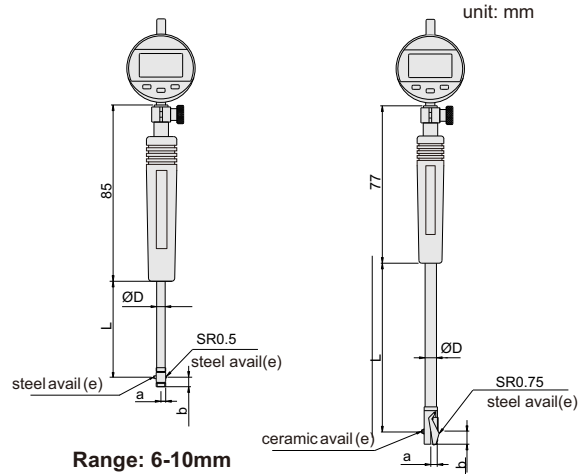
Bore gauge setter for setting zero (optional)



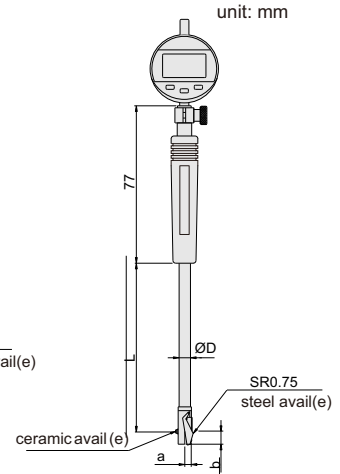
Setting ring (optional)



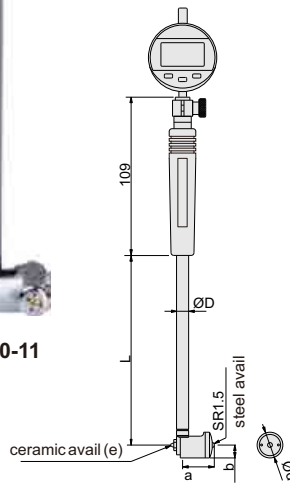
241-160-11



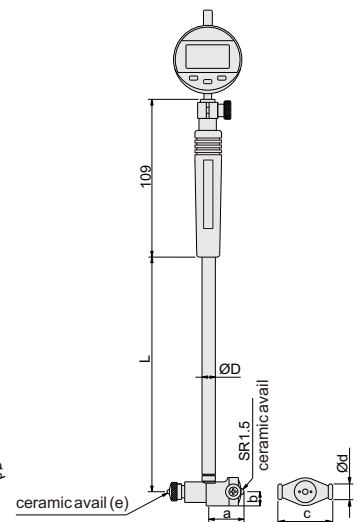
Range: 6-10mm



Range: 10-18mm



Range: 18-35mm



Range: 35-450mm

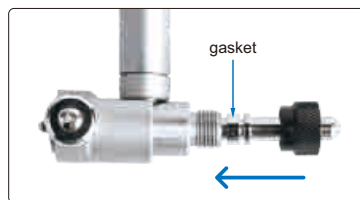
Measuring tips (included)



Gasket (included)



Install tips



Code	Range	Digital indicator	Tips	Gasket	Accuracy	Repeatability	a	b	c	Ød	ØD	e	L
241-010-11	6-10mm	Range: 12.7mm resolution: 0.002mm	9pcs	2pcs	±0.012mm	3µm	3.6	5.7	/	/	4.5	SR1	48
241-018-11	10-18mm		9pcs	2pcs	±0.012mm	3µm	5.6	7.8	/	/	6	SR1	105
241-035-11	18-35mm		9pcs	2pcs	±0.015mm	3µm	12.2	6.4	/	12.7	9	SR1	141
241-060-11	35-60mm		6pcs	4pcs	±0.018mm	3µm	12.2	9	27	13	12.8	SR2	141
241-100-11	50-100mm		11pcs	4pcs	±0.018mm	3µm	26	9	35	13	12.8	SR2	141
241-160-11	50-160mm		12pcs	4pcs	±0.018mm	3µm	26	9	35	13	12.8	SR2	141
241-160-12	100-160mm		12pcs	4pcs	±0.018mm	3µm	26	9	35	13	12.8	SR2	141
241-250-11	160-250mm		5pcs	5pcs	±0.018mm	3µm	56.5	13	74.5	15	14.5	SR3.5	400
241-450-11	250-450mm		5pcs	5pcs	±0.018mm	3µm	86.5	15	101.5	15	14.5	SR3.5	400



**SERIES 245**

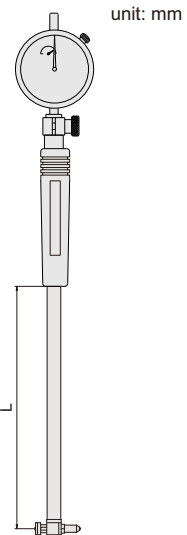
**LARGE DIAMETER DIAL BORE GAUGE**

- ◆ Carbide tipped contact point, wheel guide
- ◆ Optional accessory: series 531 setting rings

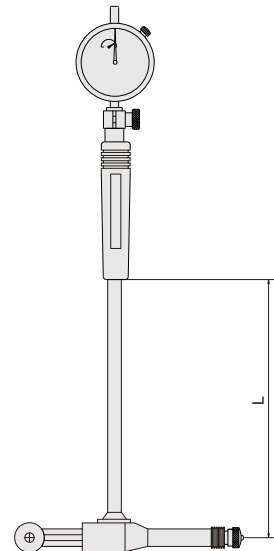
Tips style



245-050-11



Range: 18-50mm



Range: 30-1000mm

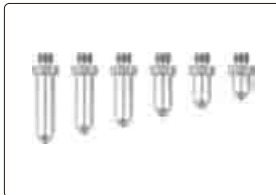
Bore gauge setter for setting zero (optional)



Setting ring (optional)



Measuring tips (included)



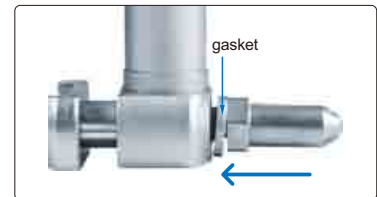
Measuring tips (included)



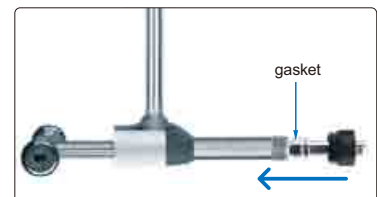
Gasket (included)



Install tips (245-050-11)



Install tips (except 245-050-11)

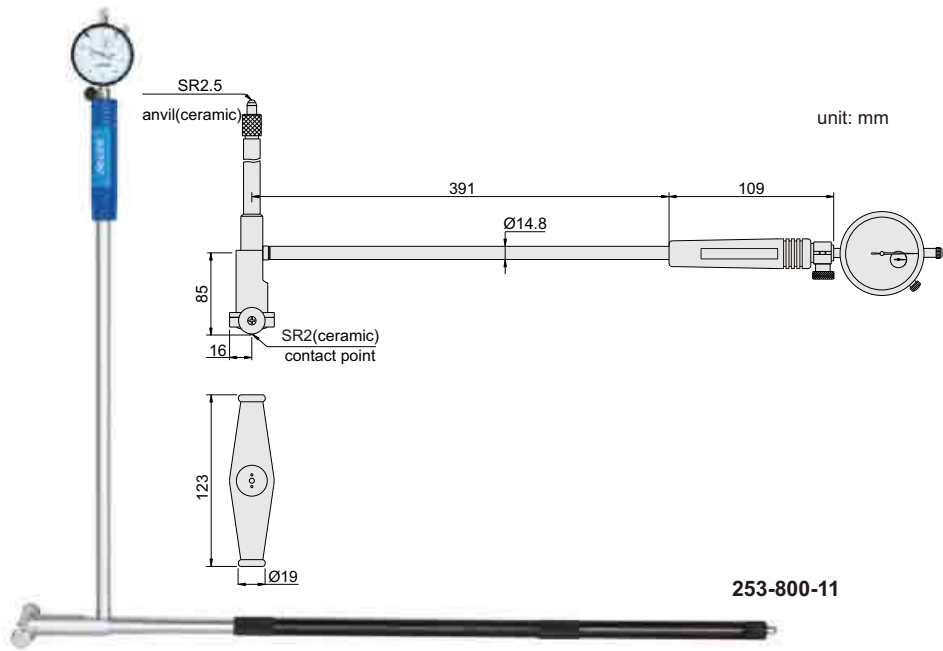


Code	Range	Dial indicator	Tips	Gasket	Probe Travel	Extension rod	L
245-050-11	18-50mm	Range: 10mm graduation: 0.01mm	8pcs	2pcs	1.5mm	1	150
245-100-11	30-100mm		5pcs	3pcs	1.8mm	2	150
245-100-12	50-100mm		10pcs	2pcs	4mm	-	200
245-160-11	100-160mm		7pcs	4pcs	4mm	-	300
245-250-11	160-250mm		6pcs	4pcs	3mm	2	250
245-300-11	100-300mm		5pcs	4pcs	4mm	2	400
245-450-11	250-450mm		5pcs	4pcs	6mm	2	500
245-700-11	450-700mm		5pcs	4pcs	8mm	4	500
245-1000-11	700-1000mm		5pcs	4pcs	8mm	5	500

243/253

BORE GAUGE

Digital indicator for 243-800-11



Code	Range	Accuracy	Repeatability	Indicator
253-800-11	400-800mm	±0.025mm	0.003mm	dial indicator (Code: 222-010-12) range 10mm, graduation 0.01mm
243-800-11	400-800mm	±0.025mm	0.003mm	digital indicator (Code: 215-010-12) range 12.7mm, resolution 0.002mm/0.0001"

SERIES 244/254

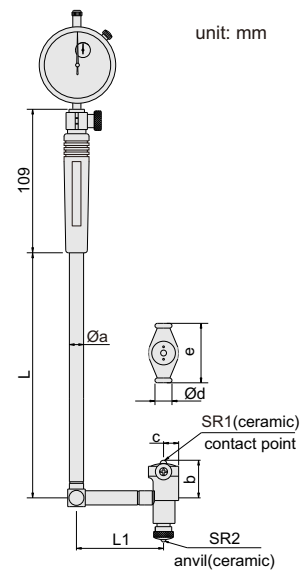
BORE GAUGE

- ◆ Accuracy: 0.018mm
- ◆ Repeatability: 0.003mm

Digital indicator for series 244



254-060-11



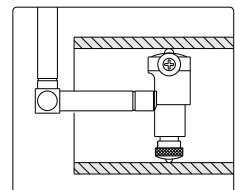
Dial type

Code	Range	Indicator
254-060-11	35-60mm	dial indicator: (Code: 222-010-12) range 10mm, graduation 0.01mm
254-160-11	50-160mm	
254-250-11	160-250mm	
254-450-11	250-450mm	

Digital type

Code	Range	Indicator
244-060-11	35-60mm	digital indicator (Code: 215-010-12) range: 12.7mm/0.5", graduation: 0.002mm/0.0001"
244-160-11	50-160mm	
244-250-11	160-250mm	
244-450-11	250-450mm	

Range	Øa	b	c	Ød	e	L	L1
35-60mm	12.8	22	9	13	27	141	75
50-160mm	12.8	28.5	9.2	13	35	141	76.2
160-250mm	14.5	62.0	12.7	15	74.5	391	100
250-450mm	14.5	91.5	15.0	15	101.5	391	100

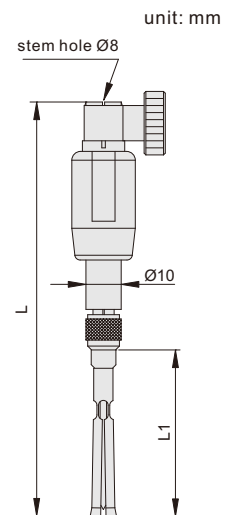


- ◆ Split type contact points
- ◆ Accuracy (without indicator): 3µm (measuring range 1.5~10mm),  
4µm (measuring range 10~20.6mm)
- ◆ Repeatability (without indicator): 1µm
- ◆ Dial indicators are optional



240-120-11M

Code	Range	Quantity of points	Measuring range of point	Measuring depth (L1)	Total length(L)	Material of points	Setting ring (optional)
240-040-11M	1.5-4.2	10	1.5-1.9	17	93	carbide	Ø1.75
			1.8-2.2	17	93	carbide	Ø2
			2.05-2.45	17	93	carbide	Ø2.25
			2.3-2.7	25	101	carbide	Ø2.5
			2.55-2.95	25	101	carbide	Ø2.75
			2.8-3.2	25	101	carbide	Ø3
			3.05-3.45	25	101	carbide	Ø3.25
			3.3-3.7	25	101	carbide	Ø3.5
			3.55-3.9	25	101	carbide	Ø3.75
			5 3.8-4.2	25	101	carbide	Ø4
240-075-11M	4.15-7.8	7	4.15-4.8	41	118	hard chromed	Ø4.5
			4.7-5.3	41	118	hard chromed	Ø5
			5.2-5.8	41	118	hard chromed	Ø5.5
			5.7-6.3	41	118	hard chromed	Ø6
			6.2-6.8	41	118	hard chromed	Ø6.5
			6.7-7.3	41	118	hard chromed	Ø7
			7.2-7.8	45	118	hard chromed	Ø7.5
240-120-11M	7.7-12.5	6	7.7-8.3	45	118	hard chromed	Ø8
			8.2-8.8	45	118	hard chromed	Ø8.5
			8.7-9.3	45	118	hard chromed	Ø9
			9.2-10.5	45	118	hard chromed	Ø10
			10.2-11.5	45	118	hard chromed	Ø11
			11.2-12.5	45	118	hard chromed	Ø12
240-200-11M	12.2-20.6	8	12.2-13.5	45	118	hard chromed	Ø13
			13.4-14.6	45	118	hard chromed	Ø14
			14.4-15.6	45	118	hard chromed	Ø15
			15.4-16.6	45	118	hard chromed	Ø16
			16.4-17.6	45	118	hard chromed	Ø17
			17.4-18.6	45	118	hard chromed	Ø18
			18.4-19.6	45	118	hard chromed	Ø19
			19.4-20.6	45	118	hard chromed	Ø20



Setting ring (optional)



Series 531

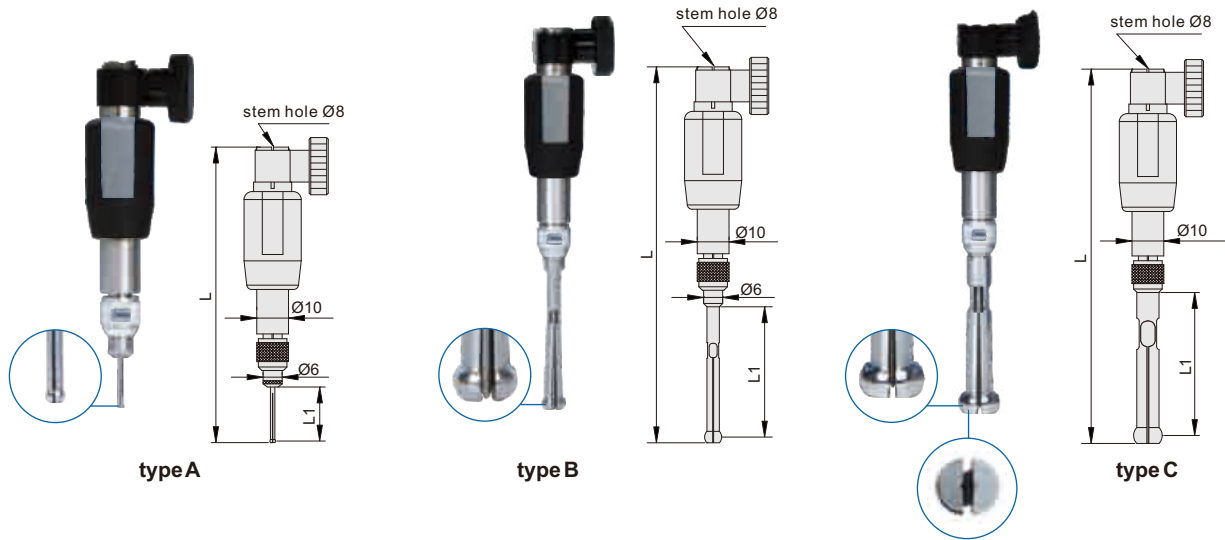
Optional indicators (optional)



Series 215

222-001-02

unit: mm



- ◆ Split type contact points
- ◆ Accuracy (without indicator):  
3 $\mu$ m (measuring range 0.95~ 10mm),  
4 $\mu$ m (measuring range 10~20.6mm)
- ◆ Repeatability (without indicator): 1 $\mu$ m
- ◆ Dial indicators are optional

Setting ring (optional)



Optional indicators (optional)



Code	Range	Quantity of points	Measuring range of point	Measuring depth (L1)	Total length (L)	Material of points	Type of point	Setting ring (optional)
240-014-11	0.95-1.55	5	0.95-1.15	13	89	carbide	A	Ø1
			1.07-1.25	13	89	carbide	A	Ø1.1
			1.17-1.35	13	89	carbide	A	Ø1.2
			1.27-1.45	13	89	carbide	A	Ø1.3
			1.37-1.55	13	89	carbide	A	Ø1.4
240-040-11	1.5-4.2	10	1.5-1.9	17	93	carbide	A	Ø1.75
			1.8-2.2	17	93	carbide	A	Ø2
			2.05-2.45	17	93	carbide	A	Ø2.25
			2.3-2.7	25	101	carbide	A	Ø2.5
			2.55-2.95	25	101	carbide	A	Ø2.75
			2.8-3.2	25	101	carbide	A	Ø3
			3.05-3.45	25	101	carbide	A	Ø3.25
			3.3-3.7	25	101	carbide	A	Ø3.5
			3.55-3.95	25	101	carbide	A	Ø3.75
			3.8-4.2	25	101	carbide	A	Ø4
			0.95-1.15	13	89	carbide	A	1
			1.07-1.25	13	89	carbide	A	Ø1.1
			1.17-1.35	13	89	carbide	A	Ø1.2

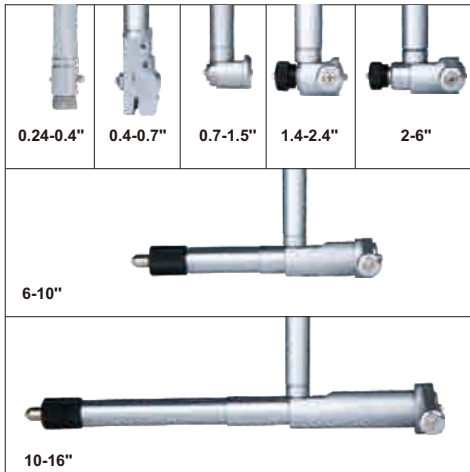


Code	Range	Quantity of points	Measuring range of point	Measuring depth (L1)	Total length (L)	Material of points	Type of point	Setting ring (optional)
240-040-12	0.95-4.2	15	1.27-1.45	13	89	carbide	A	Ø1.3
			1.37-1.55	13	89	carbide	A	Ø1.4
			1.5-1.9	17	93	carbide	A	Ø1.75
			1.8-2.2	17	93	carbide	A	Ø2
			2.05-2.45	17	93	carbide	A	Ø2.25
			2.3-2.7	25	101	carbide	A	Ø2.5
			2.55-2.95	25	101	carbide	A	Ø2.75
			2.8-3.2	25	101	carbide	A	Ø3
			3.05-3.45	25	101	carbide	A	Ø3.25
			3.3-3.7	25	101	carbide	A	Ø3.5
			3.55-3.95	25	101	carbide	A	Ø3.75
			3.8-4.2	25	101	carbide	A	Ø4
240-075-11	4.15-7.8	7	4.15-4.8	41	118	hard chromed	B	Ø4.5
			4.7-5.3	41	118	hard chromed	B	Ø5
			5.2-5.8	41	118	hard chromed	B	Ø5.5
			5.7-6.3	41	118	hard chromed	B	Ø6
			6.2-6.8	41	118	hard chromed	B	Ø6.5
			6.7-7.3	41	118	hard chromed	B	Ø7
			7.2-7.8	45	118	hard chromed	C	Ø7.5
240-120-11	7.7-12.5	6	7.7-8.3	45	118	hard chromed	C	Ø8
			8.2-8.8	45	118	hard chromed	C	Ø8.5
			8.7-9.3	45	118	hard chromed	C	Ø9
			9.2-10.5	45	118	hard chromed	C	Ø10
			10.2-11.5	45	118	hard chromed	C	Ø11
			11.2-12.5	45	118	hard chromed	C	Ø12
240-120-12	4.15-12.5	13	4.15-4.8	41	118	hard chromed	B	Ø4.5
			4.7-5.3	41	118	hard chromed	B	Ø5
			5.2-5.8	41	118	hard chromed	B	Ø5.5
			5.7-6.3	41	118	hard chromed	B	Ø6
			6.2-6.8	41	118	hard chromed	B	Ø6.5
			6.7-7.3	41	118	hard chromed	B	Ø7
			7.2-7.8	45	118	hard chromed	C	Ø7.5
			7.7-8.3	45	118	hard chromed	C	Ø8
			8.2-8.8	45	118	hard chromed	C	Ø8.5
			8.7-9.3	45	118	hard chromed	C	Ø9
			9.2-10.5	45	118	hard chromed	C	Ø10
			10.2-11.5	45	118	hard chromed	C	Ø11
			11.2-12.5	45	118	hard chromed	C	Ø12
240-200-11	12.2-20.6	8	12.2-13.5	45	118	hard chromed	C	Ø13
			13.4-14.6	45	118	hard chromed	C	Ø14
			14.4-15.6	45	118	hard chromed	C	Ø15
			15.4-16.6	45	118	hard chromed	C	Ø16
			16.4-17.6	45	118	hard chromed	C	Ø17
			17.4-18.6	45	118	hard chromed	C	Ø18
			18.4-19.6	45	118	hard chromed	C	Ø19
			19.4-20.6	45	118	hard chromed	C	Ø20

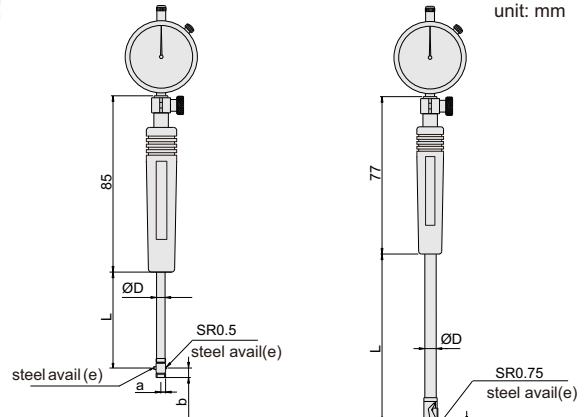
INSIDE/OUTSIDE  
MEASUREMENT

## SERIES 252 INCH DIAL BORE GAUGE

◆ Optional accessory: Long handle series 250

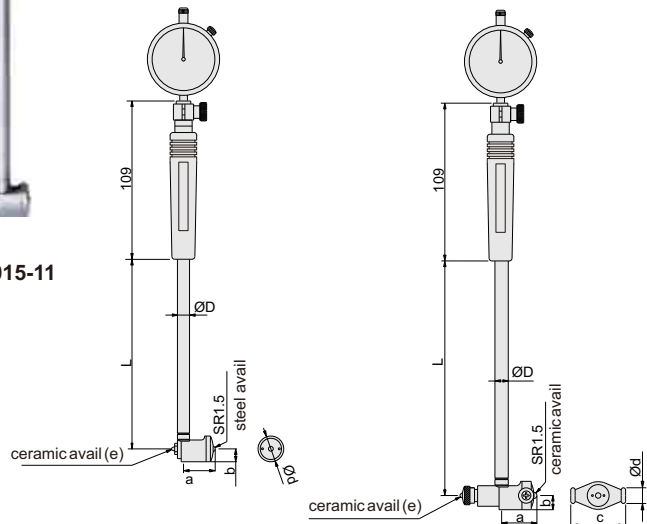


252-015-11



Range: 0.24-0.4"

Range: 0.4-0.7"



Range: 0.7-1.5"

Range: 1.4-16"

Bore gauge setter for setting zero (optional)



Setting ring (optional)



Measuring tips (included)



Gasket (included)



INSIDE/OUTSIDE MEASUREMENT

Code	Range	Dial indicator	Accuracy	Repeatability	a	b	c	Ød	ØD	e	L
252-004-11	0.24-0.4"	dial indicator, range 0.25", graduation 0.0005"	±0.00075"	0.00015"	3.6	5.7	/	/	4.5	SR1	48
252-007-11	0.4-0.7"		±0.00075"	0.00015"	5.6	7.8	/	/	6	SR1	105
252-015-11	0.7-1.5"		±0.00075"	0.00015"	12.2	6.4	/	12.7	9	SR1	141
252-024-11	1.4-2.4"		±0.0009"	0.00015"	26	9	27	13	12.8	SR2	141
252-060-11	2-6"		±0.0009"	0.00015"	26	9	35	13	12.8	SR2	141
252-100-11	6-10"		±0.0009"	0.00015"	56.5	13	74.5	15	14.5	SR3.5	400
252-160-11	10-16"		±0.0009"	0.00015"	86.5	15	101.5	15	14.5	SR3.5	400



## SERIES 250

## ANVIL FOR BORE GAUGES

- ◆ Measuring face is made of ceramic



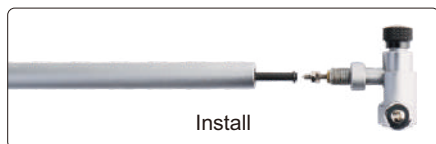
250-060-11

Code	For bore gauges	QTY. per set	Measuring tip material	Measuring range of anvil (mm)
250-010-11	6-10mm	9pcs	steel	6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10
250-018-11	10-18.5mm	9pcs	ceramic	10, 11, 12, 13, 14, 15, 16, 17, 18
250-035-11	18-35mm	9pcs	ceramic	18, 20, 22, 24, 26, 28, 30, 32, 34
250-060-11	35-60mm	6pcs	ceramic	35, 40, 45, 50, 55, 60
250-100-11	50-100mm	11pcs	ceramic	50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100
250-160-11	50-160mm	12pcs	ceramic	50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105
250-160-12	100-160mm	12pcs	ceramic	50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105
250-250-11	160-250mm	5pcs	ceramic	160, 170, 180, 190, 200
250-450-11	250-450mm	5pcs	ceramic	250, 260, 270, 280, 290

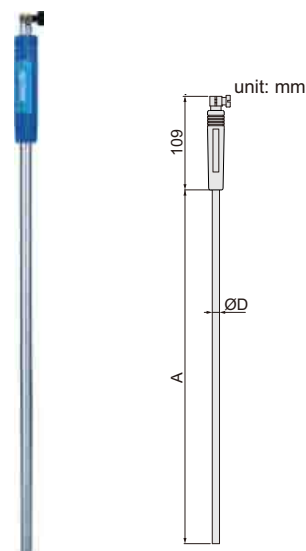
## SERIES 250

## LONG HANDLE

- ◆ To assist deep-hole measurement



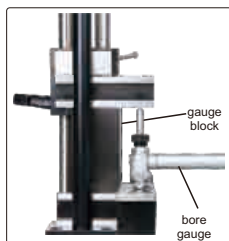
Code	For bore gauges	A	ØD
250-000-01	35-60mm, 50-100mm, 50-160mm, 100-160mm	473	13
250-000-02		980	13
250-000-03	160-250mm, 250-450mm	480	14.5
250-000-04		980	14.5



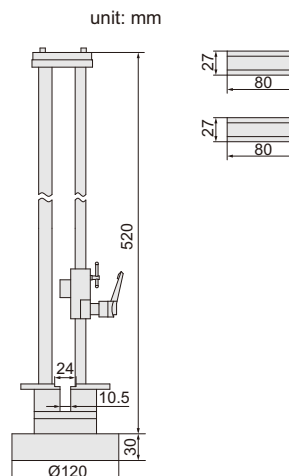
## 255

## BORE GAUGE CHECKER

- ◆ Used together with gauge blocks to set bore gauges



Code	Range
255-016-11	18-400mm



INSIDE/OUTSIDE  
MEASUREMENT

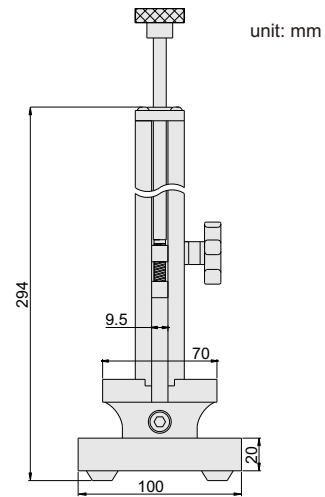


## SERIES 256

## BORE GAUGE SETTER



- ◆ Can be used in vertical and horizontal
- ◆ To be used with gauge blocks



Gauge block set (grade 2,ISO3650) for 256-160-11

Blocks per set	Size(mm)	Step(mm)	Quantity(pcs)
33	1.005	—	1
	1.01-1.09	0.01	9
	1.1-1.9	0.1	9
	1-9	1	9
	10-30	10	3
	50	—	1
	100	—	1

Code	Range	Repeatability	Gauge block set
256-160-11*	0-160mm	1.2μm	with
256-160-10	0-160mm	1.2μm	without

\* With manufacturer inspection certificate for gauge block set

Application



Gauge block set for 256-160-11



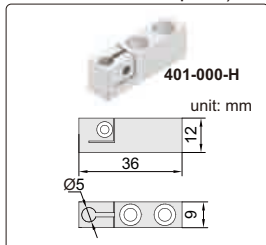
## SERIES 401

## UNIVERSAL GAUGE

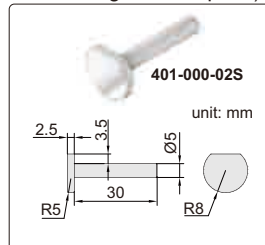
- ◆ For external, internal dimensions and center line space
- ◆ Tips movable range:8mm
- ◆ Tips effective measuring range:±2mm



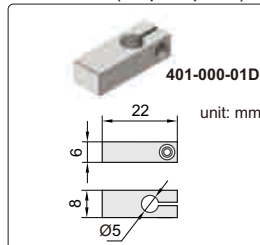
Included(mounting attachments/1 pairs)



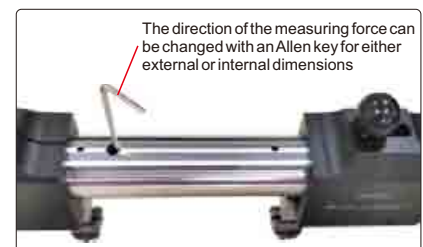
Included(disk head with round measuring blades/1 pairs)



Included(stops/1 pairs)



Code	Range		Accuracy	Repeatability
	outside	inside		
401-012-01	0-270mm	35-300mm	±5μm	2μm
401-024-01	0-570mm	35-600mm	±5μm	2μm
401-040-01	570-1000mm	600-1000mm	±5μm	2μm



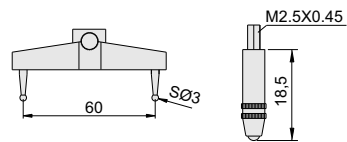
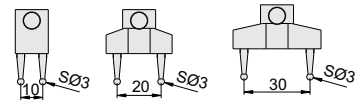
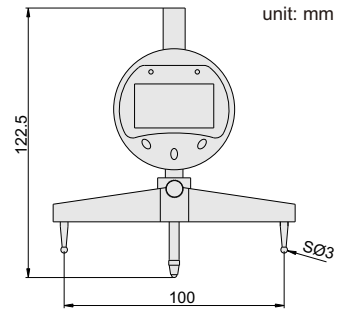


- ◆ Measure radius of internal and external arcs
- ◆ Accuracy:  $\pm 0.01R$ , R is the radius to be measured in mm
- ◆ Data output (cable code: 200-01 or 200-02), can't output radius
- ◆ Supplied with 5 jaws for different sizes of arc

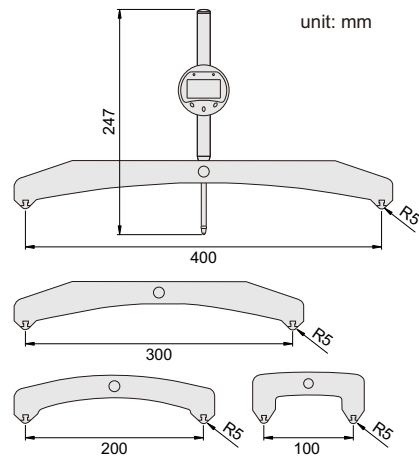
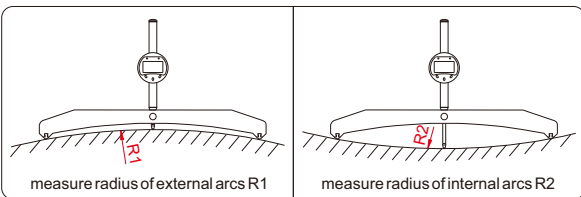
Measure shaft



Measure bore



Code	Range of radius	Resolution
296-700-11	5-700mm/0.2-27.5"	0.01mm/0.001"



Code	Range of external radius (R1)	Range of internal radius (R2)	Accuracy
406-590-44	100-15000mm/4-590"	100-15000mm/4-590"	$\pm 0.005R^*$

\* R is the radius to be measured. For example, radius is 100mm, the accuracy is  $\pm 0.005 \times 100 = \pm 0.5\text{mm}$

- ◆ Measure radius of internal or external arcs
- ◆ Resolution: 0.01mm/0.001"
- ◆ Buttons: on/off, hold, mm/inch, c (select jaws), MODE(zero)
- ◆ Supplied with 4 jaws for different sizes of arc
- ◆ Automatic power off (time is adjustable)
- ◆ Data output(cable code:200-05 or 200-06, output radius)



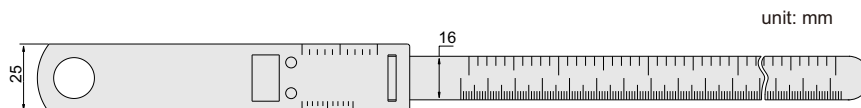
**SERIES 956**

**CIRCUMFERENCE TAPE**

- ◆ Measure diameter and circumference of pipes, trees, etc.
- ◆ Graduation: 0.1mm
- ◆ Accuracy:  
Circumference: ±1.5mm  
Diameter: ±0.5mm
- ◆ Laser engraved scale
- ◆ Made of stainless steel



956-012-11



unit: mm

Code	Range	
	Diameter	Circumference
956-012-11	20 - 300mm	60 - 950mm
956-028-11	300 - 700mm	940 - 2200mm
956-044-11	700 - 1100mm	2190 - 3460mm

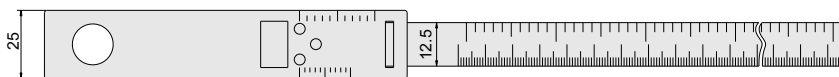
**SERIES 955**

**CIRCUMFERENCE TAPE**

- ◆ Measure diameter and circumference of pipes, trees, tires, etc.
- ◆ Laser engraved scale
- ◆ Made of stainless steel



955-122-11



unit: mm

Code	Range		Graduation	Accuracy	
	Diameter	Circumference		Diameter	Circumference
955-012-11	20 - 300mm	60-950mm	0.1mm	±0.20mm	±0.60mm
955-028-11	300 - 700mm	940-2200mm	0.1mm	±0.20mm	±0.60mm
955-044-11	700 - 1100mm	2190-3460mm	0.1mm	±0.20mm	±0.60mm
955-060-11	1100-1500mm	3450-4720mm	0.1mm	±0.30mm	±0.90mm
955-075-11	1500-1900mm	4710-5980mm	0.1mm	±0.30mm	±0.90mm
955-090-11	1900-2300mm	5960-7230mm	0.1mm	±0.35mm	±1.05mm
955-106-11	2300-2700mm	7220-8500mm	0.1mm	±0.40mm	±1.20mm
955-122-11	2700-3100mm	8480-9760mm	0.1mm	±0.45mm	±1.35mm
955-138-11	3100-3500mm	9730-11010mm	0.1mm	±0.50mm	±1.50mm

Application

