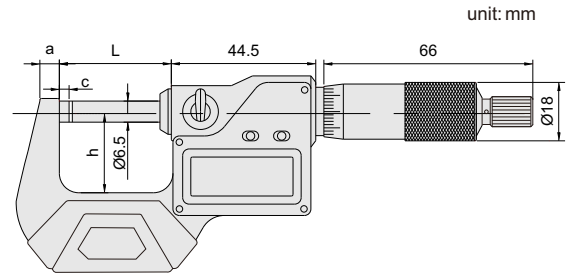




313-001-01S

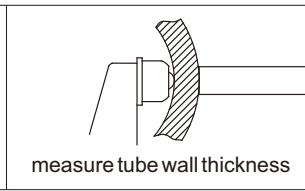
- ◆ Resolution: 0.001mm/0.00005"
- ◆ IP65 protection level
- ◆ Button: on/off, mm/inch, set, zero
- ◆ Automatic power off
- ◆ Data output
- ◆ Carbide measuring faces, ratchet stop
- ◆ Setting standards are included(except 313-001-01S)



Setting standards (included)



Data output interface



Code	Range	Accuracy	a	c	h	L	Setting standards(included)
313-001-01S*	0-25mm/0-1"	±2µm	6	3	25	34.5	-
313-002-01S*	25-50mm/1-2"	±2µm	8	3	32	59.5	25mm
313-003-01S*	50-75mm/2-3"	±3µm	8	3	44.5	84.5	50mm
313-004-01S*	75-100mm/3-4"	±3µm	8	3	57	109.5	75mm
313-005-01S	100-125mm/4-5"	±3µm	10	3	70	135	100mm
313-006-01S	125-150mm/5-6"	±3µm	10	3	82	160.5	125mm
313-007-01S	150-175mm/6-7"	±4µm	12	5.5	94.5	186	150mm
313-008-01S	175-200mm/7-8"	±4µm	12	5.5	107	211.5	175mm
313-009-01S	200-225mm/8-9"	±4µm	23	5.5	129.5	236	200mm
313-010-01S	225-250mm/9-10"	±4µm	23	5.5	142.5	261.5	225mm
313-011-01S	250-275mm/10-11"	±5µm	23	5.5	155	287	250mm
313-012-01S	275-300mm/11-12"	±5µm	23	5.5	167.5	312.5	275mm

Set

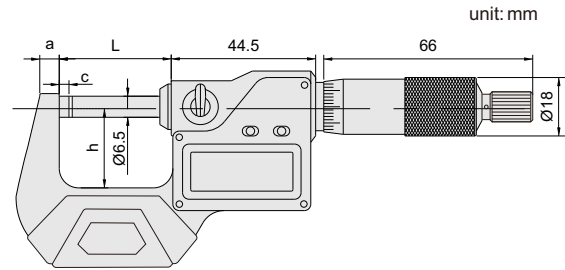
Code	Range	Total QTY.	Included micrometers	Package
313-003-03S*	0-75mm/0-3"	3pcs	0-25mm/0-1", 25-50mm/1-2", 50-75mm/2-3"	blow mould case
313-004-04S*	0-100mm/0-4"	4pcs	0-25mm/0-1", 25-50mm/1-2", 50-75mm/2-3", 75-100mm/3-4"	blow mould case
313-006-06S	0-150mm/0-6"	6pcs	0-25mm/0-1", 25-50mm/1-2", 50-75mm/2-3", 75-100mm/3-4", 100-125mm/4-5", 125-150mm/5-6"	aluminum box

\* With manufacturer inspection certificate

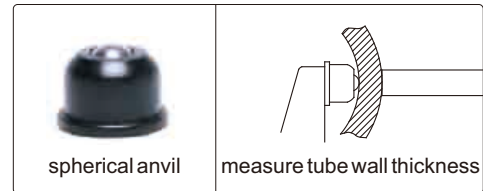


**313-001-01**

- ◆ Resolution: 0.001mm/0.00005"
- ◆ IP65 protection level
- ◆ Button: on/off, mm/inch, set, zero
- ◆ Automatic power off
- ◆ Carbide measuring faces, ratchet stop
- ◆ Setting standards are included (except 313-001-01)



Setting standards (included)



Code	Range	Accuracy	a	c	h	L	Setting standards(included)
313-001-01*	0-25mm/0-1"	±2µm	6	3	25	34.5	-
313-002-01*	25-50mm/1-2"	±2µm	8	3	32	59.5	25mm
313-003-01*	50-75mm/2-3"	±3µm	8	3	44.5	84.5	50mm
313-004-01*	75-100mm/3-4"	±3µm	8	3	57	109.5	75mm
313-005-01	100-125mm/4-5"	±3µm	10	3	70	135	100mm
313-006-01	125-150mm/5-6"	±3µm	10	3	82	160.5	125mm
313-007-01	150-175mm/6-7"	±4µm	12	5.5	94.5	186	150mm
313-008-01	175-200mm/7-8"	±4µm	12	5.5	107	211.5	175mm

**Set**

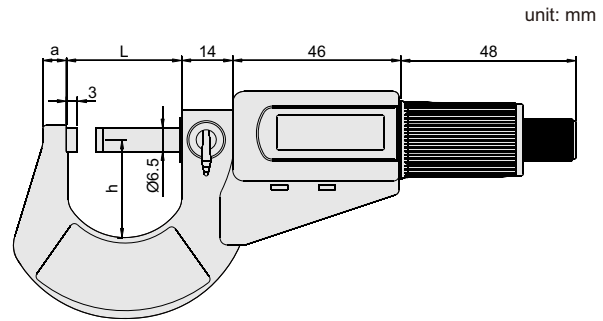
Code	Range	Total QTY.	Included micrometers	Package
313-003-03*	0-75mm/0-3"	3pcs	0-25mm/0-1", 25-50mm/1-2", 50-75mm/2-3"	blow mould case
313-004-04*	0-100mm/0-4"	4pcs	0-25mm/0-1", 25-50mm/1-2", 50-75mm/2-3", 75-100mm/3-4"	blow mould case
313-006-06	0-150mm/0-6"	6pcs	0-25mm/0-1", 25-50mm/1-2", 50-75mm/2-3", 75-100mm/3-4", 100-125mm/4-5", 125-150mm/5-6"	aluminum box

\* With manufacturer inspection certificate

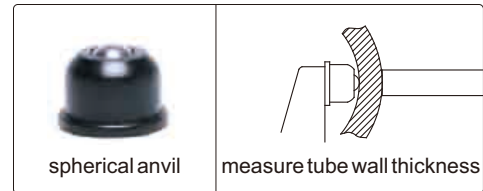


312-001-03

- ◆ Resolution: 0.001mm/0.00005"
- ◆ Button: ON/OFF/SET, ABS/INC/UNIT
- ◆ Carbide measuring faces
- ◆ Ratchet stop
- ◆ Setting standards are included (except 312-001-03)



Setting standards (included)



Code	Range	Accuracy	a	h	L	Setting standards(included)
312-001-03*	0-25mm/0-1"	±2µm	6	27.5	32	-
312-002-03*	25-50mm/1-2"	±2µm	8	37	57	25mm
312-003-03*	50-75mm/2-3"	±3µm	8	50	82	50mm
312-004-03*	75-100mm/3-4"	±3µm	10	61	107	75mm
312-005-03	100-125mm/4-5"	±3µm	10	73	132	100mm
312-006-03	125-150mm/5-6"	±3µm	10	85	157	125mm
312-007-03	150-175mm/6-7"	±4µm	21	104	182	150mm
312-008-03	175-200mm/7-8"	±4µm	21	117	207	175mm

Set

Code	Range	Total QTY.	Included micrometers	Package
312-003-33*	0-75mm/0-3"	3pcs	0-25mm/0-1", 25-50mm/1-2", 50-75mm/2-3"	blow mould case
312-004-44*	0-100mm/0-4"	4pcs	0-25mm/0-1", 25-50mm/1-2", 50-75mm/2-3", 75-100mm/3-4"	blow mould case
312-006-66	0-150mm/0-6"	6pcs	0-25mm/0-1", 25-50mm/1-2", 50-75mm/2-3", 75-100mm/3-4", 100-125mm/4-5", 125-150mm/5-6"	aluminum box

\* With manufacturer inspection certificate

## SERIES 314

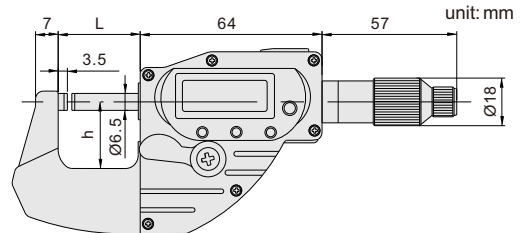
## DIGITAL SNAP MICROMETER



- ◆ Quick measurement with lever
- ◆ Resolution: 0.001mm/0.00005"
- ◆ IP65 protection level
- ◆ Button: on/off, mm/inch, origin, ABS/zero
- ◆ Automatic power off
- ◆ Carbide measuring faces
- ◆ Setting standards are included (except 314-001-02)



314-001-02



Code	Range	Accuracy	h	L	Setting standards (included)
314-001-02	0-25mm/0-1"	3µm	25	31	-
314-002-02	25-50mm/1-2"	3µm	32	57	25mm
314-003-02	50-75mm/2-3"	4µm	44.5	82	50mm
314-004-02	75-100mm/3-4"	4µm	57	107	75mm

Setting standards (included)



Quick movement



## SERIES 390

## OUTSIDE MICROMETER WITH COUNTER

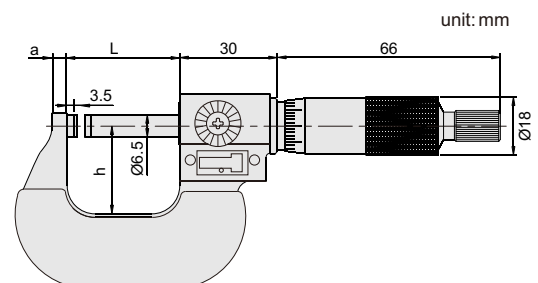


- ◆ Counter resolution: 0.01mm
- ◆ Thimble graduation: 0.01mm
- ◆ Carbide measuring faces
- ◆ Meet DIN863-1
- ◆ Ratchet stop
- ◆ Setting standards are included (except 0-25mm)



390-001-01

Code	Range	Accuracy	a	h	L	Setting standards (included)
390-001-01*	0-25mm	4µm	6	26	32	-
390-002-01*	25-50mm	4µm	8	32	57	25mm
390-003-01*	50-75mm	5µm	8	44.5	82	50mm
390-004-01*	75-100mm	5µm	8	57	107	75mm
390-005-01	100-125mm	6µm	17	71.5	132.5	100mm
390-006-01	125-150mm	6µm	17	84	157.5	125mm
390-007-01	150-175mm	7µm	20	98.5	185	150mm
390-008-01	175-200mm	7µm	20	111	210.5	175mm
390-009-01	200-225mm	8µm	20	124	236	200mm
390-010-01	225-250mm	8µm	20	136.5	261	225mm
390-011-01	250-275mm	9µm	20	149	287	250mm
390-012-01	275-300mm	9µm	20	162	312	275mm



Setting standards (included)



\* With manufacturer inspection certificate



**SERIES 321**

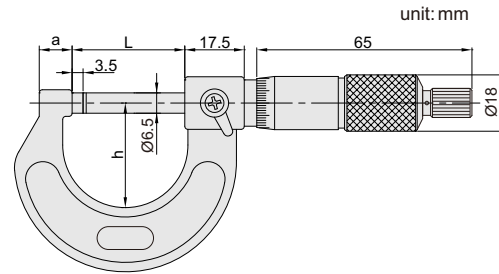
**OUTSIDE MICROMETER**



- ◆ Graduation: 0.01mm
- ◆ Carbide measuring faces
- ◆ Ratchet stop
- ◆ Setting standards are included (except 321-001-01)



321-001-01



Setting standards(included)



Code	Range	Accuracy	a	h	L	Setting standards (included)
321-001-01*	0-25mm	4µm	9	29	32	-
321-002-01*	25-50mm	4µm	9	39	58	25mm
321-003-01*	50-75mm	5µm	10	53	83	50mm
321-004-01*	75-100mm	5µm	10	65	109	75mm
321-005-01	100-125mm	6µm	11.5	76	133	100mm
321-006-01	125-150mm	6µm	11.5	88	159	125mm
321-007-01	150-175mm	7µm	11.5	101	185	150mm
321-008-01	175-200mm	7µm	11.5	114	210	175mm
321-009-01	200-225mm	8µm	11.5	126	235	200mm
321-010-01	225-250mm	8µm	12	139	260	225mm
321-011-01	250-275mm	9µm	12.5	151	286	250mm
321-012-01	275-300mm	9µm	12.5	164	311	275mm



321-006-06



321-012-06

Code	Range	Total QTY.	Included micrometers	Setting standards(included)	Package
321-003-03*	0-75mm	3pcs	0-25, 25-50, 50-75mm	25, 50mm	blow mould case
321-004-04*	0-100mm	4pcs	0-25, 25-50, 50-75, 75-100mm	25, 50, 75mm	blow mould case
321-006-06	0-150mm	6pcs	0-25, 25-50, 50-75, 75-100, 100-125, 125-150mm	25, 50, 75, 100, 125mm	blow mould case
321-012-06	150-300mm	6pcs	150-175, 175-200, 200-225, 225-250, 250-275, 275-300mm	150, 175, 200, 225, 250, 275mm	aluminum box
321-012-12	0-300mm	12pcs	0-25, 25-50, 50-75, 75-100, 100-125, 125-150, 150-175, 175-200, 200-225, 225-250, 250-275, 275-300mm	25, 50, 75, 100, 125, 150, 175, 200, 225, 250, 275mm	aluminum box

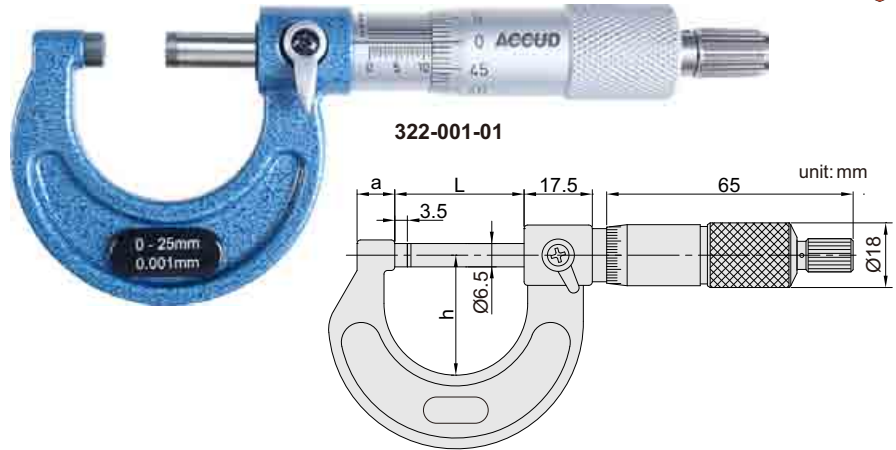
\* With manufacturer inspection certificate

## SERIES 322

## MICRO GRADUATION OUTSIDE MICROMETER



- ◆ Graduation: 0.001mm
- ◆ Carbide measuring faces
- ◆ Ratchet stop
- ◆ Setting standards are included (except 322-001-01)



Code	Range	Accuracy	a	h	L	Setting standards(included)
322-001-01*	0-25mm	4μm	9	29	32	-
322-002-01*	25-50mm	4μm	9	39	58	25mm
322-003-01*	50-75mm	5μm	10	53	83	50mm
322-004-01*	75-100mm	5μm	10	65	109	75mm
322-005-01	100-125mm	6μm	11.5	76	133	100mm
322-006-01	125-150mm	6μm	11.5	88	159	125mm
322-007-01	150-175mm	7μm	11.5	101	185	150mm
322-008-01	175-200mm	7μm	11.5	114	210	175mm

\* With manufacturer inspection certificate

Setting standards (included)

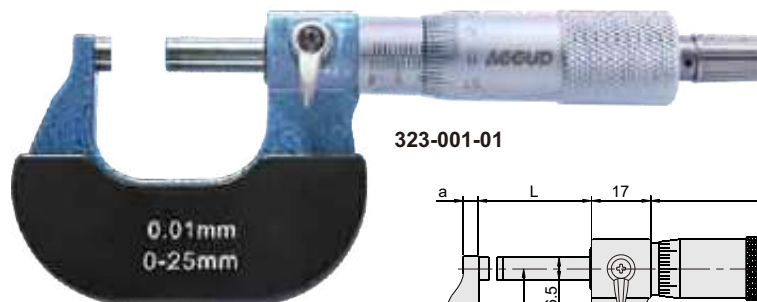


## SERIES 323

## OUTSIDE MICROMETER



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



Code	Range	Accuracy	a	h	L	Setting standards(included)
323-001-01*	0-25mm	4μm	6	24	32	-
323-002-01*	25-50mm	4μm	8	32	57	25mm
323-003-01*	50-75mm	5μm	8	45	82	50mm
323-004-01*	75-100mm	5μm	8	57	107	75mm
323-005-01	100-125mm	6μm	8	70	133	100mm
323-006-01	125-150mm	6μm	8	82	125	125mm
323-007-01	150-175mm	7μm	8	95	183	150mm
323-008-01	175-200mm	7μm	8	107	209	175mm

Set

Code	Range	Total QTY.	Included micrometers
323-003-03*	0-75mm	3pcs	0-25mm, 25-50mm/, 50-75mm
323-004-04*	0-100mm	4pcs	0-25mm, 25-50mm, 50-75mm, 75-100mm
323-006-06	0-150mm	6pcs	0-25mm, 25-50mm, 50-75mm, 75-100mm, 100-125mm, 125-150mm

\* With manufacturer inspection certificate

Setting standards (included)



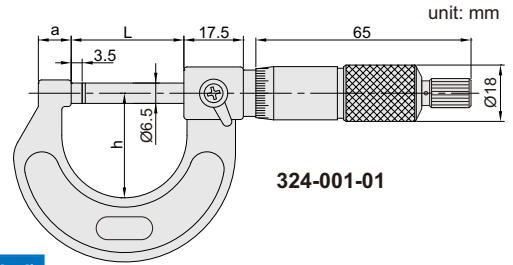
**SERIES 324**

**OUTSIDE MICROMETER**

- ◆ Graduation: 0.0001in
- ◆ Carbide measuring faces
- ◆ Ratchet stop
- ◆ Setting standards are included (except 324-001-01)



324-003-01



324-001-01

Code	Range	Accuracy	a	h	L	Setting standards (included)
324-001-01	0-1"	±0.00016"	9	29	32	-
324-002-01	1-2"	±0.00016"	14	39	58	1"
324-003-01	2-3"	±0.0002"	15	53	83	2"
324-004-01	3-4"	±0.0002"	15	65	109	3"
324-005-01	4-5"	±0.00024"	16.5	76	133	4"
324-006-01	5-6"	±0.00024"	16.5	88	159	5"
324-007-01	6-7"	±0.00028"	19.4	101	32	6"
324-008-01	7-8"	±0.00028"	19.4	114	58	7"
324-009-01	8-9"	±0.00031"	19.4	126	83	8"
324-010-01	9-10"	±0.00031"	19.4	139	109	9"
324-011-01	10-11"	±0.00035"	19.4	151	133	10"
324-012-01	11-12"	±0.00035"	19.4	164	159	11"

Setting standards (included)



324-006-06



324-012-06

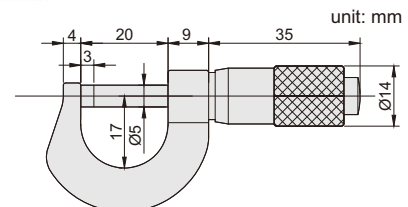
**MICROMETER SET**

Code	Range	Total quantity	Included micrometers	Setting standards(included)	Package
324-003-03	0-3"	3pcs	0-1", 1-2", 2-3"	1", 2"	blow mould case
324-004-04	0-4"	4pcs	0-1", 1-2", 2-3", 3-4"	1", 2", 3"	blow mould case
324-006-06	0-6"	6pcs	0-1", 1-2", 2-3", 3-4", 4-5", 5-6"	1", 2", 3", 4", 5"	blow mould case
324-012-06	6-12"	6pcs	6-7", 7-8", 8-9", 9-10", 10-11", 11-12"	6", 7", 8", 9", 10", 11"	aluminum box
324-012-12	0-12"	12pcs	0-1", 1-2", 2-3", 3-4", 4-5", 5-6", 6-7", 7-8", 8-9", 9-10", 10-11", 11-12"	1", 2", 3", 4", 5", 6", 7", 8", 9", 10", 11"	aluminum box

**320**

**MINI OUTSIDE MICROMETER**

- ◆ Chrome plated frame
- ◆ Pocket size, easy to carry



Code	Range	Graduation
320-015-01	0-15mm	0.01mm



- ◆ Resolution 0.001mm/0.0001" (resolution of **315-004-01** and **315-006-01** is 0.001mm/0.00005")
- ◆ IP65 protection level
- ◆ Button: on/off, set, mm/inch, ABS/INC, data output
- ◆ Automatic power off
- ◆ Data output
- ◆ Carbide measuring faces
- ◆ Supplied with setting standards

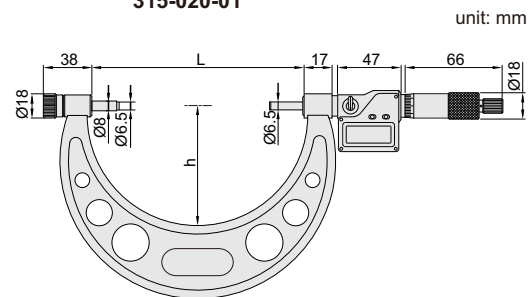
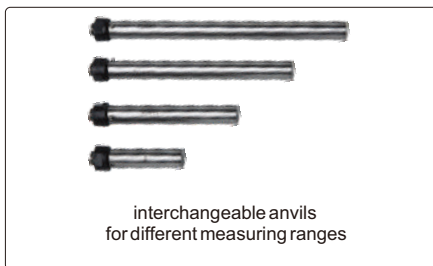


**315-004-01**

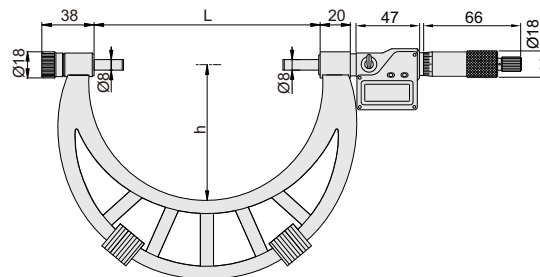


**315-020-01**

**Setting standards (included)**



**type A**



**type B**

Code	Range	Accuracy	L	h	Type	Setting standards (included)
<b>315-004-01</b>	0-100mm/0-4"	±5µm	105	57	A	25,50,75mm
<b>315-006-01</b>	0-150mm/0-6"	±6µm	155	82	A	25,50,75,100,125mm
<b>315-012-01</b>	150-300mm/6-12"	±8µm	305	165	A	150,175,200,225,250,275mm
<b>315-012-02</b>	200-300mm/8-12"	±8µm	305	165	A	200,225,250,275mm
<b>315-016-01</b>	300-400mm/12-16"	±9µm	405	224	B	325,375mm
<b>315-020-01</b>	400-500mm/16-20"	±11µm	505	275	B	425,475mm
<b>315-024-01</b>	500-600mm/20-24"	±12µm	605	321	B	525,575mm
<b>315-028-01</b>	600-700mm/24-28"	±13µm	705	371	B	625,675mm
<b>315-032-01</b>	700-800mm/28-32"	±15µm	805	426	B	725,775mm
<b>315-036-01</b>	800-900mm/32-36"	±16µm	905	476	B	825,875mm
<b>315-040-01</b>	900-1000mm/36-40"	±17µm	1005	576	B	925,975mm



## SERIES 325

## OUTSIDE MICROMETER WITH INTERCHANGEABLE ANVILS

- ◆ Graduation: 0.01mm
- ◆ Ratchet stop
- ◆ Carbide measuring faces
- ◆ Supplied with setting standards



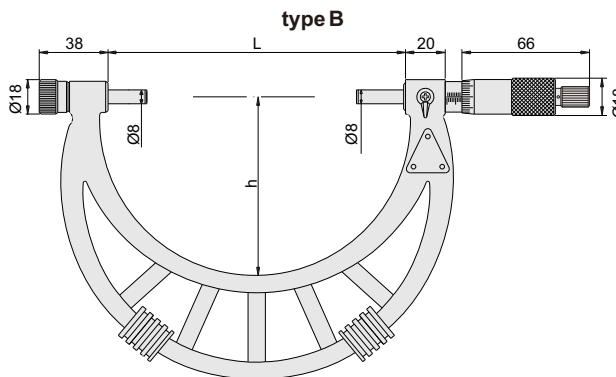
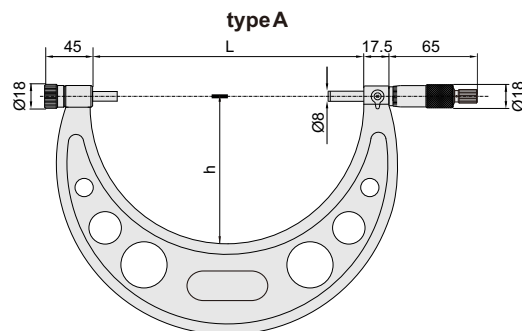
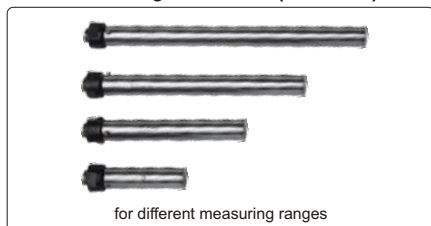
325-006-01

unit:mm

### Setting standards (included)



### Interchangeable anvils (included)



Code	Range	Type	Accuracy	L	h	Setting standards(included)
325-002-01	0-50mm	A	4μm	58	35	25mm
325-004-01	0-100mm	A	5μm	108	57	25,50,75mm
325-006-01	0-150mm	A	6μm	158	82	25,50,75,100,125mm
325-008-01	100-200mm	A	7μm	208	114	100,125,150,175mm
325-012-01	150-300mm	A	9μm	308	165	150,175,200,225,250,275mm
325-006-02	50-150mm	A	6μm	158	82	50,75,100,125mm
325-012-02	200-300mm	A	9μm	308	165	200,225,250,275mm
325-016-02	300-400mm	B	11μm	409	224	325,375mm
325-020-02	400-500mm	B	13μm	509	275	425,475mm
325-024-02	500-600mm	B	14μm	609	321	525,575mm
325-028-02	600-700mm	B	16μm	709	371	625,675mm
325-032-02	700-800mm	B	18μm	809	426	725,775mm
325-036-02	800-900mm	B	20μm	909	476	825,875mm
325-040-02	900-1000mm	B	22μm	1009	576	925,975mm



**SERIES 325**

**OUTSIDE MICROMETER WITH INTERCHANGEABLE ANVILS**

- ◆ Graduation: .0001" (within 12")  
.001" (over 12")
- ◆ Ratchet stop
- ◆ Carbide measuring faces
- ◆ Supplied with setting standards

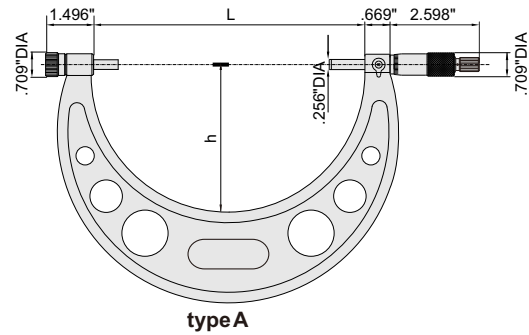
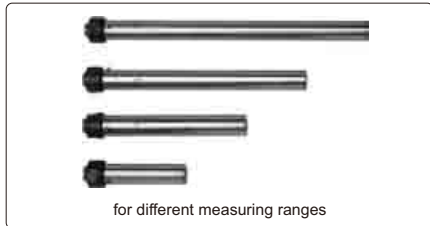


325-006-E01

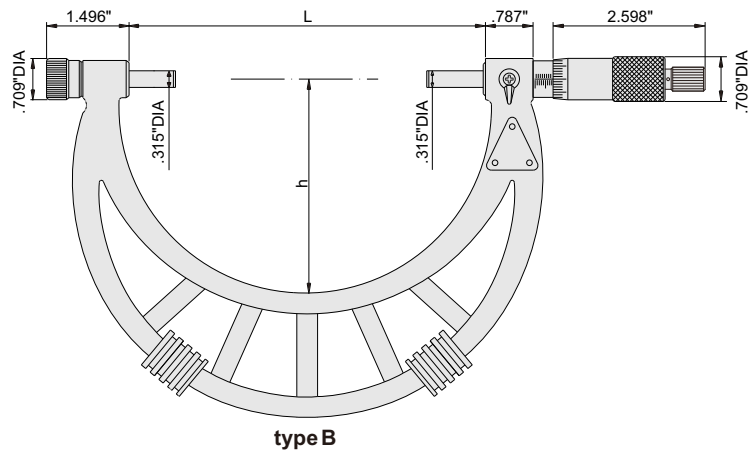
Setting standards (included)



Interchangeable anvils (included)



type A



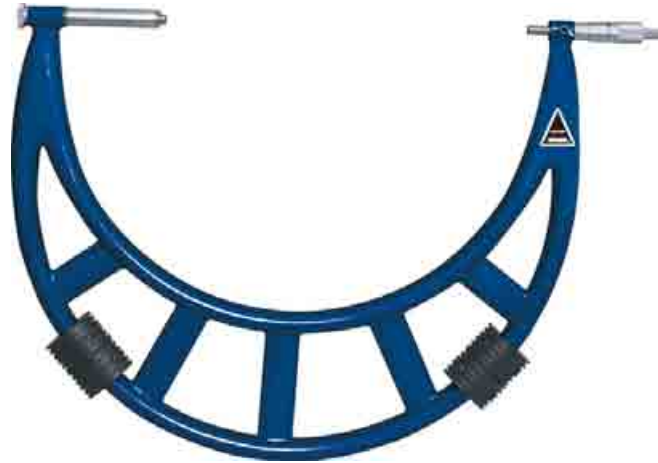
type B

Code	Range	Type	Accuracy	L	h	Setting standards (included)
325-002-E01	0-2"	A	.00015"	2.283"	1.378"	1"
325-004-E01	0-4"	A	.00020"	4.252"	2.244"	1", 2", 3"
325-006-E01	0-6"	A	.00025"	6.220"	3.228"	1", 2", 3", 4", 5"
325-008-E01	4-8"	A	.00030"	8.189"	4.488"	4", 5", 6", 7"
325-012-E01	6-12"	A	.00035"	12.126"	6.496"	6", 7", 8", 9", 10", 11"
325-016-E02	12-16"	B	.00045"	16.102"	8.819"	13", 15"
325-020-E02	16-20"	B	.00050"	20.039"	10.827"	17", 19"
325-024-E02	20-24"	B	.00055"	23.976"	12.638"	21", 23"
325-028-E02	24-28"	B	.00065"	27.913"	14.606"	25", 27"
325-032-E02	28-32"	B	.00070"	31.850"	16.772"	29", 31"
325-036-E02	32-36"	B	.00080"	35.787"	18.740"	33", 35"
325-040-E02	36-40"	B	.00085"	39.724"	22.677"	37", 39"

## SERIES 329

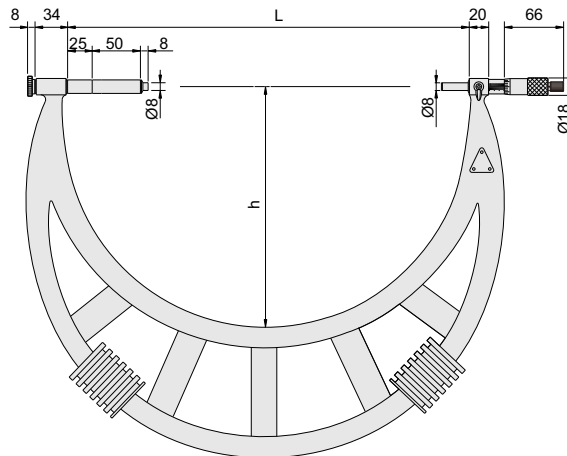
## OUTSIDE MICROMETER WITH EXTENSION ANVIL

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

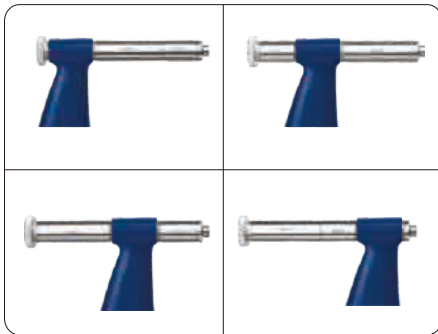


329-016-01

unit: mm



Adjust collars for different measuring ranges



Setting standards(included)



Code	Range	Accuracy	L	h	Setting standards(included)
329-016-01	300-400mm	11µm	410	250	325,375mm
329-020-01	400-500mm	13µm	510	275	425,475mm
329-024-01	500-600mm	14µm	610	320	525,575mm
329-028-01	600-700mm	16µm	710	370	625,675mm
329-032-01	700-800mm	18µm	810	425	725,775mm
329-036-01	800-900mm	20µm	910	475	825,875mm
329-040-01	900-1000mm	22µm	1010	575	925,975mm
329-048-01	1000-1200mm	22µm	1210	645	1050,1150mm
329-056-01	1200-1400mm	24µm	1410	745	1250,1350mm
329-064-01	1400-1600mm	28µm	1610	845	1450,1550mm
329-072-01	1600-1800mm	31µm	1810	945	1650,1750mm
329-080-01	1800-2000mm	34µm	2010	1045	1850,1950mm



**SERIES 430**

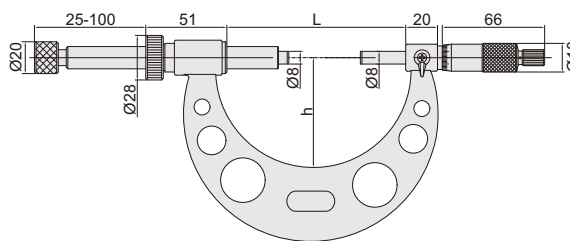
**MICROMETER WITH DIAL INDICATOR**



430-012-01

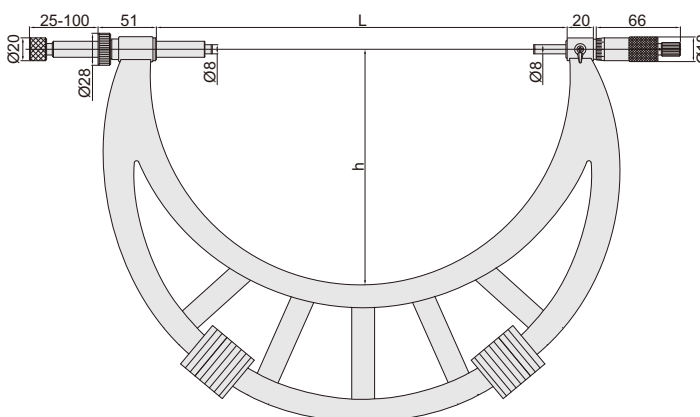
- ◆ Meet DIN863-3
- ◆ Graduation 0.01 mm
- ◆ Ratchet stop
- ◆ Carbide measuring faces
- ◆ Supplied with setting standards
- ◆ Optional accessory: dial indicators or digital indicators

unit: mm



Type A

Optional indicators (optional)



Type B

Code	Range	Type	Accuracy	L	h
430-004-01	0-100mm	A	6µm	115	68
430-008-01	100-200mm	A	7µm	215	120
430-012-01	200-300mm	A	8µm	315	170
430-016-01	300-400mm	B	9µm	415	225
430-020-01	400-500mm	B	10µm	515	275
430-024-01	500-600mm	B	11µm	615	325
430-028-01	600-700mm	B	12µm	715	375
430-032-01	700-800mm	B	13µm	815	430
430-036-01	800-900mm	B	14µm	915	480
430-040-01	900-1000mm	B	15µm	1015	530

Setting standards (included)



**SERIES 316**

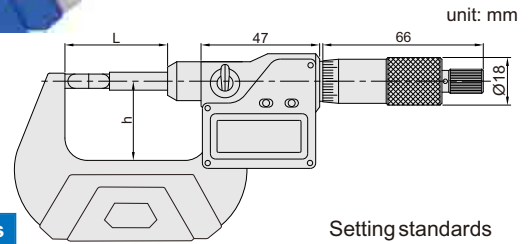
**DIGITAL BLADE MICROMETER**



- ◆ Measure the groove diameter of shafts and keyways
- ◆ Resolution 0.001mm/0.00005"
- ◆ Non-rotating spindle
- ◆ Button: on/off, set, mm/inch, ABS/INC
- ◆ Automatic power off
- ◆ Data output
- ◆ Ratchet stop
- ◆ Supplied with setting standards(except 0-25mm/0-1")

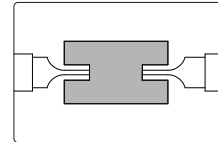


316-001-01

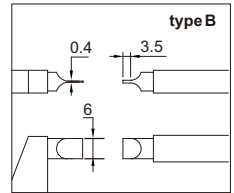
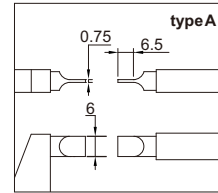


Code	Range	Accuracy	Type	h	L	Setting standards (included)
316-001-01	0-25mm/0-1"	±4µm	A	32	57	-
316-002-01	25-50mm/1-2"	±4µm	A	44.5	82	25mm
316-003-01	50-75mm/2-3"	±5µm	A	57	107	50mm
316-004-01	75-100mm/3-4"	±5µm	A	70	133	75mm
316-005-01	100-125mm/4-5"	±6µm	A	82	158	100mm
316-006-01	125-150mm/5-6"	±6µm	A	94.5	183.4	125mm
316-007-01	150-175mm/6-7"	±7µm	A	107	208.8	150mm
316-001-02	0-25mm/0-1"	±4µm	B	32	57	-
316-002-02	25-50mm/1-2"	±4µm	B	44.5	82	25mm

Application



Setting standards (included)



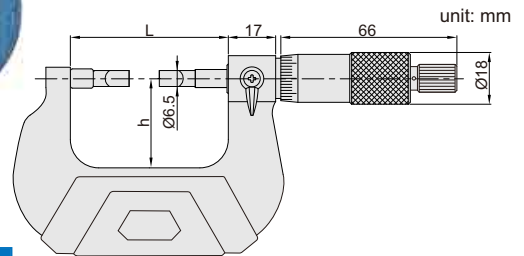
**SERIES 326**

**BLADE MICROMETER**

- ◆ Measure the small groove diameter
- ◆ Graduation: 0.01mm
- ◆ Non-rotating spindle
- ◆ Ratchet stop
- ◆ Setting standards are included (except 0-25mm)



326-001-03

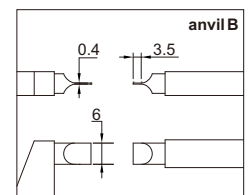
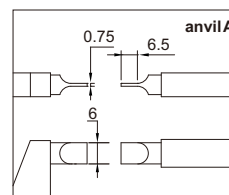
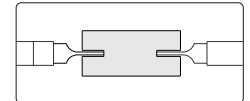


Code	Range	Anvil	Accuracy	h	L	Setting standards (included)
326-001-03	0-25mm	A	4µm	35	57	-
326-002-03	25-50mm	A	4µm	46	82	25mm
326-003-03	50-75mm	A	5µm	58	107	50mm
326-004-03	75-100mm	A	5µm	70	133	75mm
326-005-03	100-125mm	A	6µm	83	158	100mm
326-006-03	125-150mm	A	6µm	96	183	125mm
326-007-03	150-175mm	A	7µm	109	209	150mm
326-001-04	0-25mm	B	4µm	35	57	-
326-002-04	25-50mm	B	4µm	46	82	25mm

Setting standards (included)



Application



**SERIES 317**

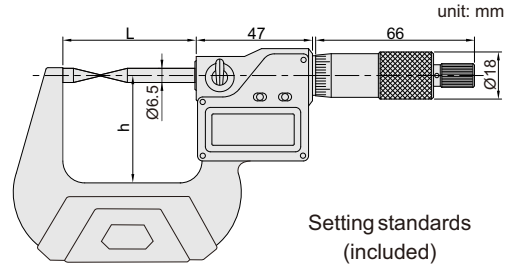
**DIGITAL POINT MICROMETER**



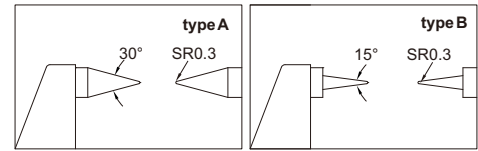
- ◆ Measure the web thickness of drills, small grooves and keyways
- ◆ Resolution 0.001mm/0.00005"
- ◆ IP65 protection level
- ◆ Button: on/off, set, mm/inch, ABS/INC, data output
- ◆ Automatic power off
- ◆ Data output
- ◆ Ratchet stop
- ◆ Carbide tips
- ◆ Supplied with setting standards (except 0-25mm/0-1")



317-002-02



Setting standards (included)



Code	Range	Accuracy	Type	h	L	Setting standards (included)
317-001-01	0-25mm/0-1"	±4µm	A	32	57	-
317-002-01	25-50mm/1-2"	±4µm	A	44.5	82	25mm
317-003-01	50-75mm/2-3"	±5µm	A	57	107	50mm
317-004-01	75-100mm/3-4"	±5µm	A	70	133	75mm
317-001-02	0-25mm/0-1"	±4µm	B	32	57	-
317-002-02	25-50mm/1-2"	±4µm	B	44.5	82	25mm
317-003-02	50-75mm/2-3"	±5µm	B	57	107	50mm
317-004-02	75-100mm/3-4"	±5µm	B	70	133	75mm

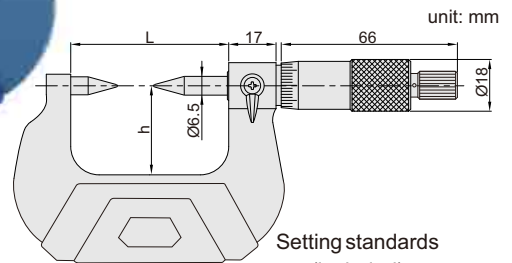
**SERIES 327**

**POINT MICROMETER**

- ◆ Measure the thickness of drills, small grooves and keyways
- ◆ Graduation: 0.01mm
- ◆ Ratchet stop
- ◆ Carbide measuring faces
- ◆ Setting standards are included (except 0-25mm)



327-002-03



Setting standards (included)



Code	Range	Anvil	Accuracy	h	L	Setting standards (included)
327-001-03	0-25mm	A	4µm	39	58	-
327-002-03	25-50mm	A	4µm	53	83	25mm
327-003-03	50-75mm	A	5µm	65	109	50mm
327-004-03	75-100mm	A	5µm	76	133	75mm
327-001-04	0-25mm	B	4µm	39	58	-
327-002-04	25-50mm	B	4µm	53	83	25mm
327-003-04	50-75mm	B	5µm	65	109	50mm
327-004-04	75-100mm	B	5µm	76	133	75mm

**SERIES 318**

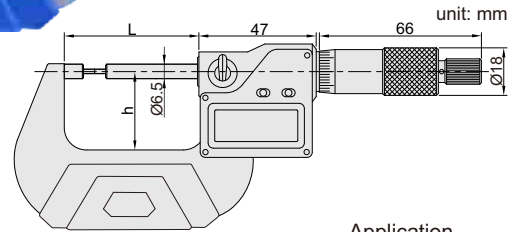
**DIGITAL SPLINE MICROMETER**



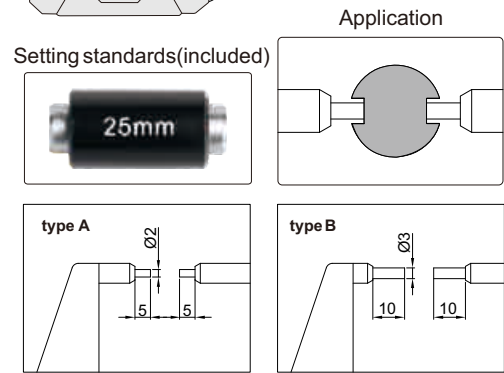
- ◆ Measure splined shafts, slots and keyways
- ◆ Resolution 0.001mm/0.00005"
- ◆ IP65 protection level
- ◆ Button: on/off, set, mm/inch, ABS/INC, data output
- ◆ Automatic power off
- ◆ Data output
- ◆ Ratchet stop
- ◆ Carbide measuring faces
- ◆ Supplied with setting standards (except 0-25mm/0-1")



318-001-02



Code	Range	Accuracy	Type	h	L	Setting standards (included)
318-001-01	0-25mm/0-1"	±4µm	A	32	57	-
318-002-01	25-50mm/1-2"	±4µm	A	44.5	82	25mm
318-003-01	50-75mm/2-3"	±5µm	A	57	107	50mm
318-004-01	75-100mm/3-4"	±5µm	A	70	133	75mm
318-001-02	0-25mm/0-1"	±4µm	B	32	57	-
318-002-02	25-50mm/1-2"	±4µm	B	44.5	82	25mm
318-003-02	50-75mm/2-3"	±5µm	B	57	107	50mm
318-004-02	75-100mm/3-4"	±5µm	B	70	133	75mm



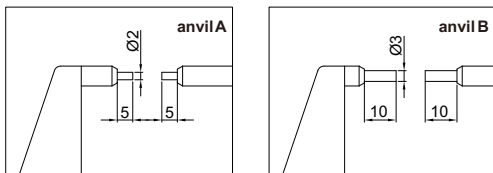
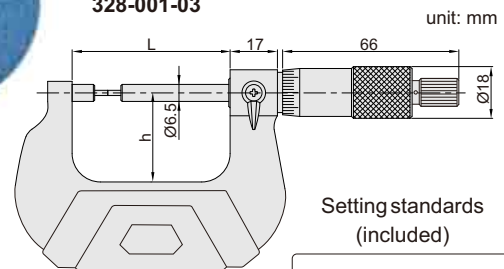
**SERIES 328**

**SPLINE MICROMETER**

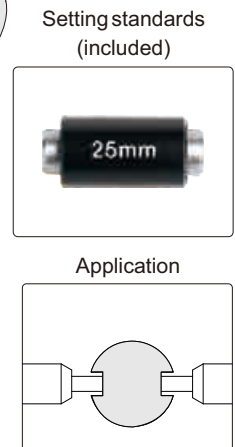
- ◆ Measure grooves and sharped parts
- ◆ Graduation: 0.01mm
- ◆ Carbide measuring faces
- ◆ Ratchet stop
- ◆ Setting standards are included (except 0-25mm)



328-001-03

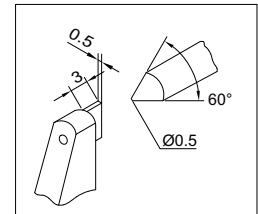
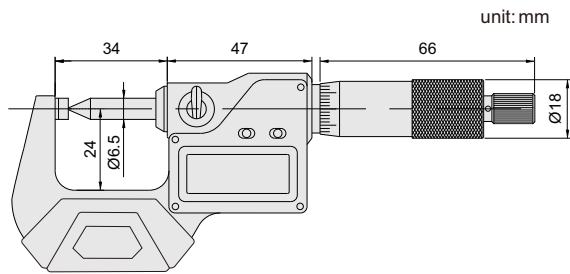


Code	Range	Anvil	Accuracy	h	L	Setting standards(included)
328-001-03	0-25mm	B	4µm	39	58	-
328-002-03	25-50mm	B	4µm	53	83	25mm
328-003-03	50-75mm	B	5µm	65	109	50mm
328-004-03	75-100mm	B	5µm	76	133	75mm
328-005-03	100-125mm	B	6µm	82	158	100mm
328-006-03	125-150mm	B	6µm	94.5	183.4	125mm
328-007-03	150-175mm	B	7µm	107	208.8	150mm
328-001-04	0-25mm	A	4µm	39	58	-



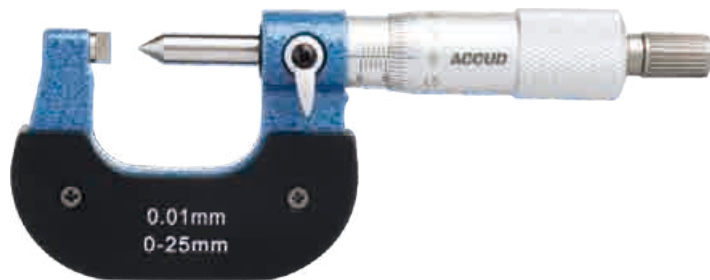


- ◆ Measure the height of crimp contact
- ◆ Resolution 0.001mm/0.00005"
- ◆ IP65 protection level
- ◆ Button: on/off, set, mm/inch, ABS/INC, data output
- ◆ Automatic power off
- ◆ Data output
- ◆ Ratchet stop



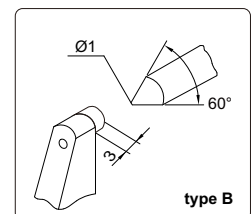
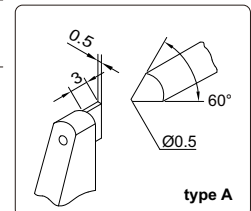
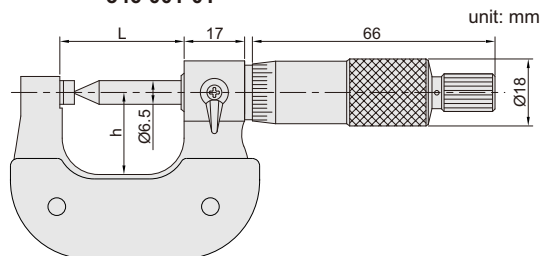
Code	Range	Accuracy
319-001-01	0-25mm/0-1"	±4µm

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



346-001-01

Setting standards(included)



Code	Range	Accuracy	Type	L	h	Setting standards (included)
346-001-01	0-25mm	4µm	A	34	24	-
346-001-02	0-25mm	4µm	B	34	24	-
346-002-02	25-50mm	4µm	B	59	32	25
346-003-02	50-75mm	5µm	B	85	45	50
346-004-02	75-100mm	5µm	B	110	57	75

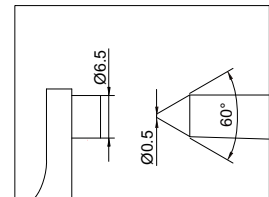
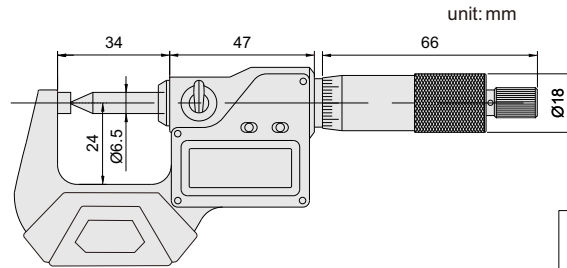


319

DIGITAL POINT MICROMETER



- ◆ Measure the height of crimp contact
- ◆ 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



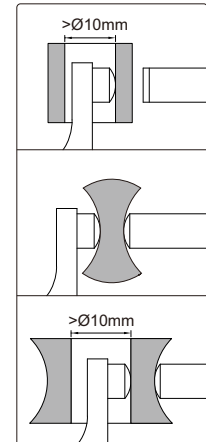
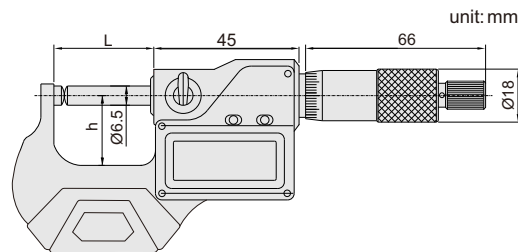
Code	Range	Accuracy
319-001-21	0-25mm/0-1"	±4µm

SERIES 331

DIGITAL SPHERICAL ANVIL TUBE MICROMETER

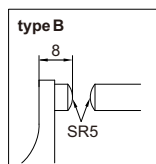
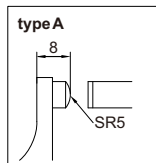


- ◆ Measure wall thickness of tubes
- ◆ Resolution 0.001mm/0.00005"
- ◆ IP65 protection level
- ◆ Button: on/off, set, mm/inch, ABS/INC, data output
- ◆ Automatic power off
- ◆ Data output
- ◆ Ratchet stop
- ◆ Carbide measuring faces
- ◆ Supplied with setting standards (except 0-25mm/0-1")



Code	Range	Accuracy	Type	L	h	Setting standards(included)
331-001-01	0-25mm/0-1"	4µm	A	32	24	-
331-002-01	25-50mm/1-2"	4µm	A	57	32	25mm
331-003-01	50-75mm/2-3"	5µm	A	82	44.5	50mm
331-004-01	75-100mm/3-4"	5µm	A	107	57	75mm
331-001-02	0-25mm/0-1"	4µm	B	32	24	100mm
331-002-02	25-50mm/1-2"	4µm	B	57	32	125mm
331-003-02	50-75mm/2-3"	5µm	B	82	44.5	150mm
331-004-02	75-100mm/3-4"	5µm	B	107	57	175mm

Setting standards (included)



**SERIES 340**

**SPHERICAL ANVIL TUBE MICROMETER**

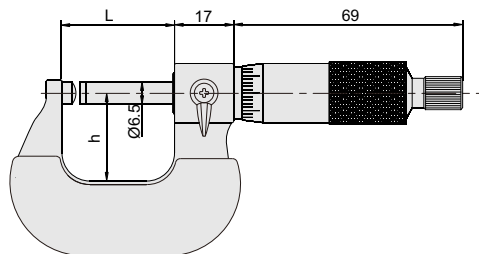
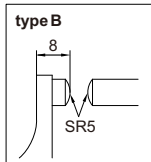
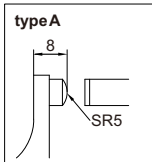
- ◆ Measure wall thickness of tubes
- ◆ Graduation: 0.01mm
- ◆ Carbide measuring faces
- ◆ Ratchet stop
- ◆ Setting standards are included (except 0-25mm)



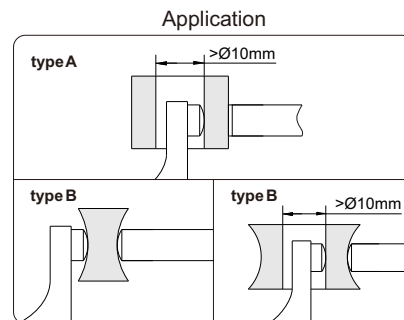
Setting standards (included)

340-001-01

unit: mm



Code	Range	Type	Accuracy	L	h	Setting standards (included)
340-001-01	0-25mm	A	4μm	32	24	-
340-002-01	25-50mm	A	4μm	57	32	25mm
340-003-01	50-75mm	A	5μm	82	44.5	50mm
340-004-01	75-100mm	A	5μm	107	57	75mm
340-005-01	100-125mm	A	6μm	133	70	100mm
340-006-01	125-150mm	A	6μm	158	82	125mm
340-007-01	150-175mm	A	7μm	183	95	150mm
340-001-02	0-25mm	B	4μm	32	24	-
340-002-02	25-50mm	B	4μm	57	32	25mm
340-003-02	50-75mm	B	5μm	82	44.5	50mm
340-004-02	75-100mm	B	5μm	107	57	75mm
340-005-02	100-125mm	B	6μm	133	70	100mm
340-006-02	125-150mm	B	6μm	158	82	125mm
340-007-02	150-175mm	B	7μm	183	95	150mm



**SERIES 380**

**DIGITAL CYLINDRICAL ANVIL TUBE MICROMETER**

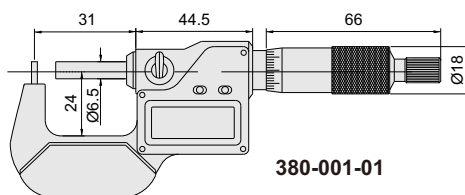


- ◆ Measure wall thickness of tubes
- ◆ Resolution 0.001mm/0.00005"
- ◆ IP65 protection level
- ◆ Button: on/off, set, mm/inch, ABS/INC, data output
- ◆ Automatic power off
- ◆ Data output
- ◆ Ratchet stop
- ◆ Carbide spindle tip

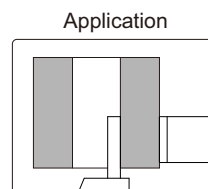


380-001-04

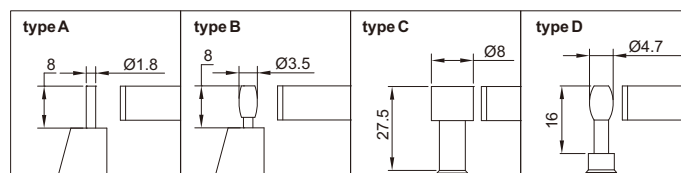
unit: mm



380-001-01



Code	Range	Accuracy	Type
380-001-01	0-25mm/0-1"	±6μm	A
380-001-02	0-25mm/0-1"	±6μm	B
380-001-03	0-25mm/0-1"	±6μm	C
380-001-04	0-25mm/0-1"	±6μm	D



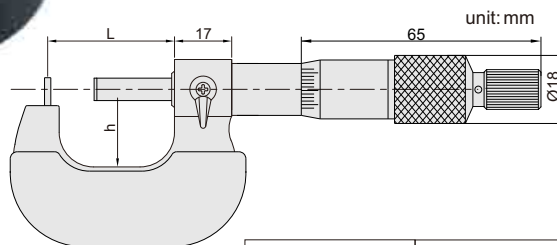
**SERIES 341**

**TUBE MICROMETER**

- ◆ Measure the wall thickness of tube, bearing and rings
- ◆ Graduation: 0.01mm
- ◆ Carbide measuring faces
- ◆ Ratchet stop
- ◆ Setting standards are included (except 0-25mm)



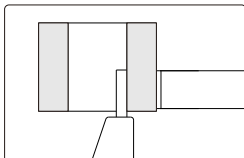
341-001-01



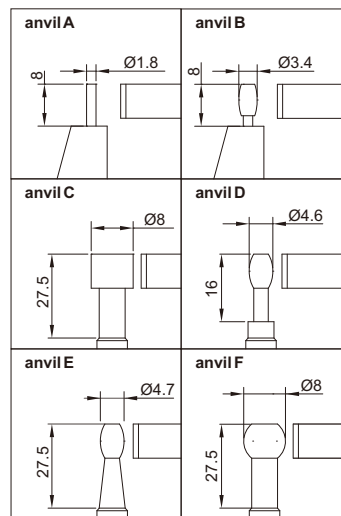
Setting standards(included)



Application



Code	Range	Anvil	Accuracy	h	L	Setting standards (included)
341-001-01	0-25mm	A	6µm	24	32	-
341-002-01	25-50mm	A	6µm	32	57	25mm
341-001-02	0-25mm	B	6µm	24	34	-
341-002-02	25-50mm	B	6µm	32	57	25mm
341-001-03	0-25mm	C	6µm	24	31	-
341-002-03	25-50mm	C	6µm	32	61	25mm
341-001-04	0-25mm	D	6µm	24	30	-
341-002-04	25-50mm	D	6µm	32	61	25mm
341-001-05	0-25mm	E	6µm	25	30	-
341-002-05	25-50mm	E	6µm	32	61	25mm
341-001-06	0-25mm	F	6µm	25	31	-
341-002-06	25-50mm	F	6µm	32	61	25mm



**332**

**DIGITAL NON ROTATING SPINDLE DISK MICROMETER**

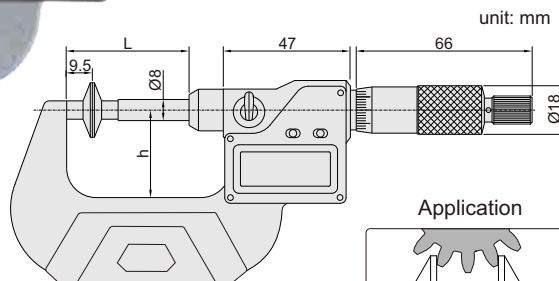


- ◆ Measure root tangent length of gear
- ◆ Resolution 0.001mm/0.00005"
- ◆ Non-rotating spindle
- ◆ Button: on/off, set, mm/inch, ABS/INC, data output
- ◆ Automatic power off
- ◆ Data output
- ◆ Ratchet stop
- ◆ Supplied with setting standards (except 332-001-01)

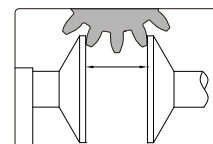


332-001-01

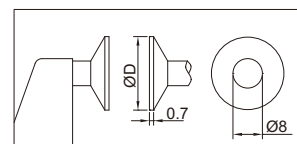
Setting standards(included)



Application



Code	Range	Accuracy	L	h	ØD	Setting standards (included)
332-001-01	0-25mm/0-1"	±4µm	43	32	20	-
332-002-01	25-50mm/1-2"	±4µm	68	44.5	20	25mm
332-003-01	50-75mm/2-3"	±5µm	93	57	20	50mm
332-004-01	75-100mm/3-4"	±5µm	118.5	70	20	75mm
332-005-01	100-125mm/4-5"	±6µm	144	82	30	100mm
332-006-01	125-150mm/5-6"	±6µm	169.5	94.5	30	125mm





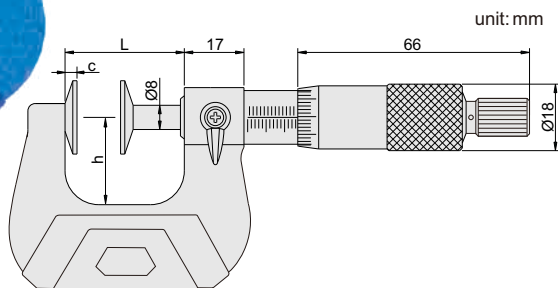
**SERIES 342**

**DISK MICROMETER**

- ◆ Measure root tangent length of gear
- ◆ Graduation 0.01mm
- ◆ Ratchet stop
- ◆ Supplied with setting standards (except 0-25mm)



342-002-02

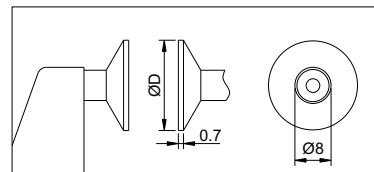
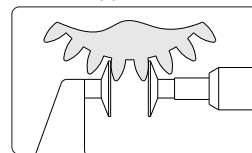


Setting standards(included)



Code	Range	Accuracy	L	h	c	ØD	Setting standards (included)
342-001-02	0-25mm	4µm	34	24	3.3	20	-
342-002-02	25-50mm	4µm	59	32	3.3	20	25mm
342-003-02	50-75mm	5µm	85	45	3.3	20	50mm
342-004-02	75-100mm	5µm	110	57	3.3	20	75mm
342-005-02	100-125mm	6µm	138	70	4.3	30	100mm
342-006-02	125-150mm	6µm	163	82	4.3	30	125mm
342-007-02	150-175mm	7µm	188	95	4.3	30	150mm
342-008-02	175-200mm	7µm	214	107	4.3	30	175mm

Application



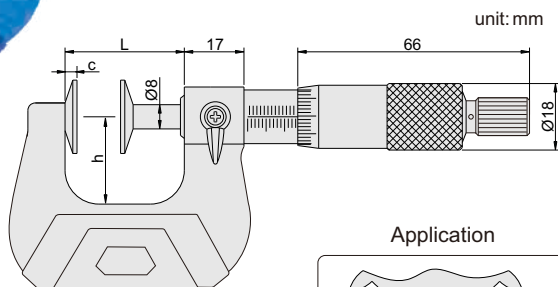
**SERIES 342**

**NON-ROTATING SPINDLE DISK MICROMETER(ECONOMIC TYPE)**

- ◆ Measure root tangent length of gear
- ◆ Graduation 0.01mm
- ◆ Non-rotating spindle
- ◆ Ratchet stop
- ◆ Supplied with setting standards (except 0-25mm)



342-002-01

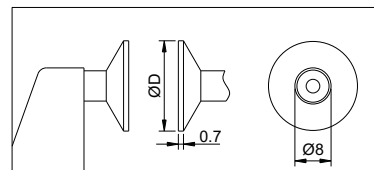
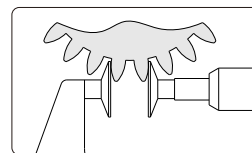


Setting standards(included)



Code	Range	Accuracy	Parallelism	L	h	c	ØD	Setting standards (included)
342-001-01	0-25mm	4µm	5µm	34	24	3.3	20	-
342-002-01	25-50mm	4µm	5µm	59	32	3.3	20	25mm
342-003-01	50-75mm	5µm	5µm	85	45	3.3	20	50mm
342-004-01	75-100mm	5µm	5µm	110	57	3.3	20	75mm
342-005-01	100-125mm	6µm	5µm	138	70	4.3	30	100mm
342-006-01	125-150mm	6µm	5µm	163	82	4.3	30	125mm

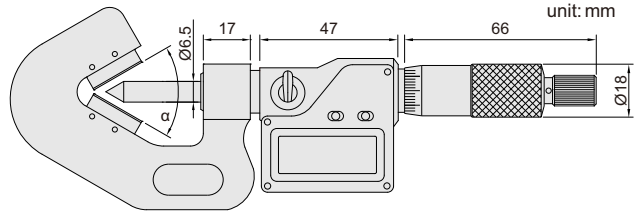
Application



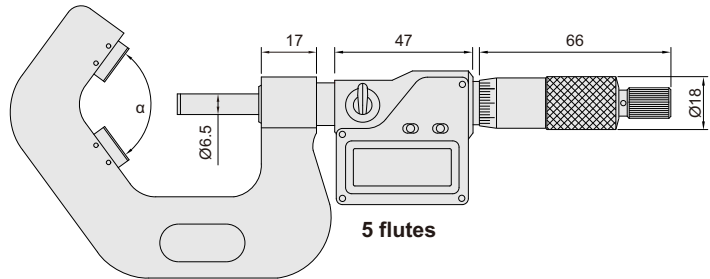


334-020-01

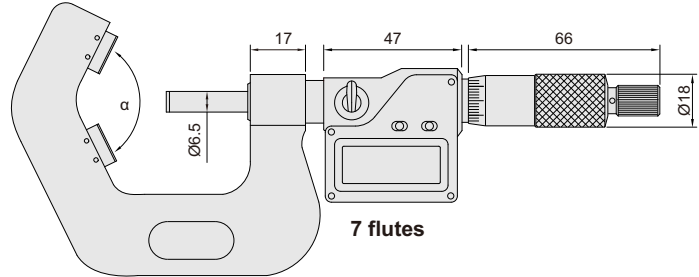
- ◆ Measure the diameter of parts or cutting tools with odd grooves such as taps, reamers and end mills
- ◆ Resolution: 0.001mm/0.00005"
- ◆ Button: on/off, set, mm/inch, ABS/INC, data output
- ◆ Automatic power off, Ratchet stop
- ◆ Data output
- ◆ Carbide measuring faces



3 flutes

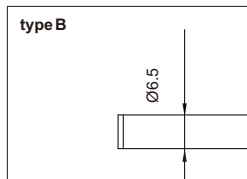
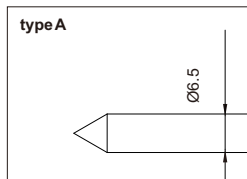


5 flutes



7 flutes

Setting standards (included)

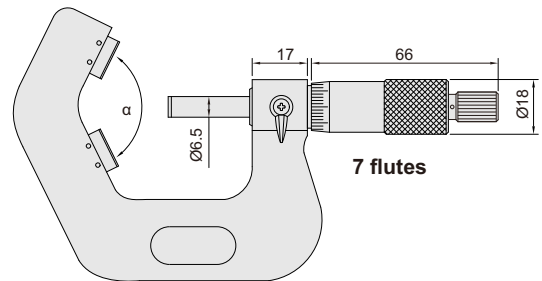
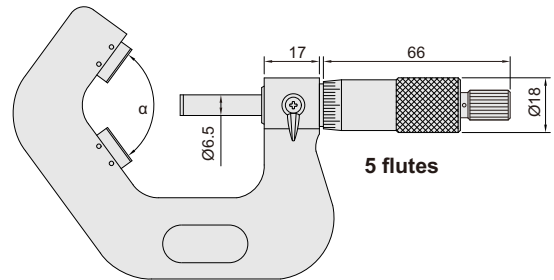
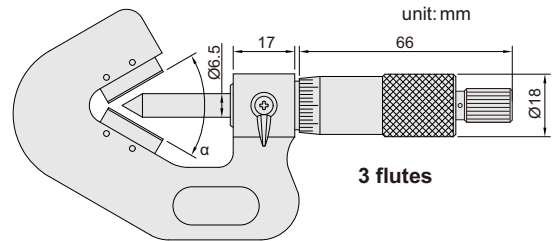


Code	Range	Accuracy	Flutes	$\alpha$	Type	Setting standards (included)
334-015-01	1-15mm/0.04-0.6"	$\pm 4\mu\text{m}$	3	60°	A	5mm
334-020-01	5-20mm/0.2-0.8"	$\pm 4\mu\text{m}$	3	60°	B	5mm
334-035-01	20-35mm/0.8-1.4"	$\pm 5\mu\text{m}$	3	60°	B	20mm
334-050-01	35-50mm/1.4-2.0"	$\pm 5\mu\text{m}$	3	60°	B	35mm
334-065-01	50-65mm/2.0-2.6"	$\pm 6\mu\text{m}$	3	60°	B	50mm
334-080-01	65-80mm/2.6-3.2"	$\pm 6\mu\text{m}$	3	60°	B	65mm
334-095-01	80-95mm/3.2-3.6"	$\pm 6\mu\text{m}$	3	60°	B	80mm
334-025-55	5-25mm/0.2-1.0"	$\pm 4\mu\text{m}$	5	108°	B	5mm
334-045-55	25-45mm/1.0-1.8"	$\pm 5\mu\text{m}$	5	108°	B	25mm
334-065-55	45-65mm/1.8-2.6"	$\pm 6\mu\text{m}$	5	108°	B	50mm
334-085-55	65-85mm/2.6-3.4"	$\pm 6\mu\text{m}$	5	108°	B	65mm
334-105-55	85-105mm/3.3-4.2"	$\pm 6\mu\text{m}$	5	108°	B	85mm
334-025-77	5-25mm/0.2-1.0"	$\pm 4\mu\text{m}$	7	128°34'17"	B	5mm
334-045-77	25-45mm/1.0-1.8"	$\pm 4\mu\text{m}$	7	128°34'17"	B	25mm
334-065-77	45-65mm/1.8-2.6"	$\pm 5\mu\text{m}$	7	128°34'17"	B	50mm
334-085-77	65-85mm/2.6-3.4"	$\pm 5\mu\text{m}$	7	128°34'17"	B	65mm

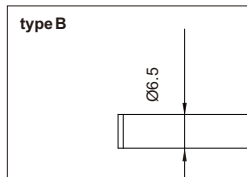
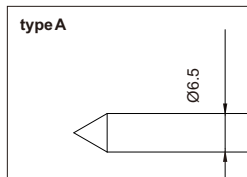


**334-006-01**

- ◆ 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



Setting standards (included)



Code	Range	Accuracy	Flutes	$\alpha$	Type	Setting standards(included)
334-006-01	1-15mm	4 $\mu$ m	3	60°	A	5mm
334-008-01	5-20mm	4 $\mu$ m	3	60°	B	5mm
334-012-01	20-35mm	5 $\mu$ m	3	60°	B	20mm
334-019-01	35-50mm	5 $\mu$ m	3	60°	B	35mm
334-024-01	50-65mm	6 $\mu$ m	3	60°	B	50mm
334-032-01	65-80mm	6 $\mu$ m	3	60°	B	65mm
334-036-01	80-95mm	7 $\mu$ m	3	60°	B	80mm
334-025-05	5-25mm	4 $\mu$ m	5	108°	B	5mm
334-045-05	25-45mm	5 $\mu$ m	5	108°	B	25mm
334-065-05	45-65mm	6 $\mu$ m	5	108°	B	50mm
334-085-05	65-85mm	7 $\mu$ m	5	108°	B	65mm
334-025-07	5-25mm	4 $\mu$ m	7	128°34'17"	B	5mm
334-045-07	25-45mm	5 $\mu$ m	7	128°34'17"	B	25mm
334-065-07	45-65mm	6 $\mu$ m	7	128°34'17"	B	50mm
334-085-07	65-85mm	7 $\mu$ m	7	128°34'17"	B	65mm

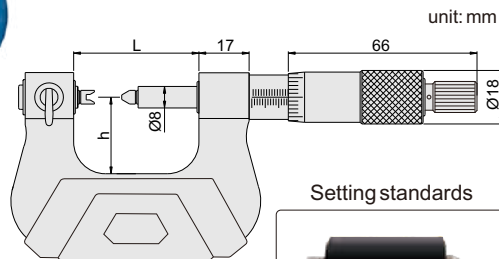
**SERIES 343**

**SCREW THREAD MICROMETER**

- ◆ 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



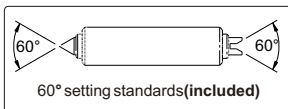
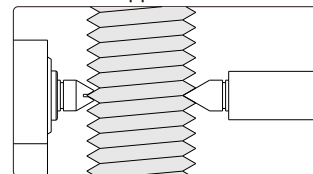
343-001-02



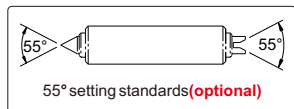
Setting standards



Application



60° setting standards (included)



55° setting standards (optional)

Code	Range	Micrometer head accuracy	L	h	Setting standards (included)
343-001-02	0-25mm	4µm	42	26	-
343-002-02	25-50mm	4µm	67	38	25mm
343-003-02	50-75mm	5µm	92	50	50mm
343-004-02	75-100mm	5µm	118	62	75mm
343-005-02	100-125mm	6µm	143	70	100mm
343-006-02	125-150mm	6µm	168	82	125mm
343-007-02	150-175mm	7µm	192	94.5	150mm
343-008-02	175-200mm	7µm	217	107	175mm
343-009-02	200-225mm	8µm	242	130	200mm
343-010-02	225-250mm	8µm	267	142	225mm
343-011-02	250-275mm	9µm	291	155	250mm
343-012-02	275-300mm	9µm	317	167	275mm

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

**SERIES 343**

**MEASURING TIPS FOR SCREW THREAD MICROMETER**

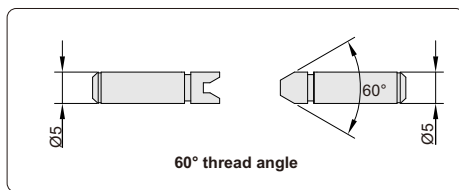
- ◆ For series 343 screw thread micrometer



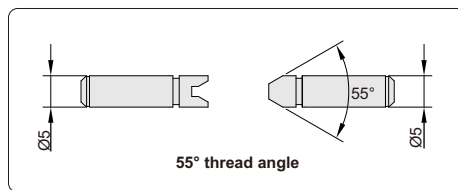
343-000-01

Whitworth thread (55° thread angle)

Code	Pitch
343-000-11	60-48TPI
343-000-12	48-40TPI
343-000-13	40-32TPI
343-000-14	32-24TPI
343-000-15	24-18TPI
343-000-16	18-14TPI
343-000-17	14-10TPI
343-000-18	10-7TPI
343-000-19	7-4.5TPI
343-000-20	4.5-3.5TPI
343-000-2TS	10 pairs/set, including all above tips



60° thread angle

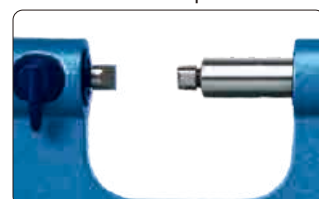


55° thread angle

Metric and unified thread (60° thread angle)

Code	Pitch
343-000-01	0.4-0.5mm/64-48TPI
343-000-02	0.6-0.9mm/44-28TPI
343-000-03	1-1.75mm/24-14TPI
343-000-04	2-3mm/13-9TPI
343-000-05	3.5-5mm/8-5TPI
343-000-06	5.5-7mm/4.5-3.5TPI
343-000-TS	6 pairs/set, including all above tips

Install tips



## SERIES 333

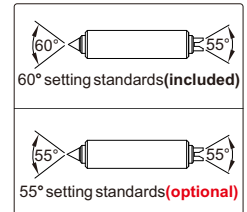
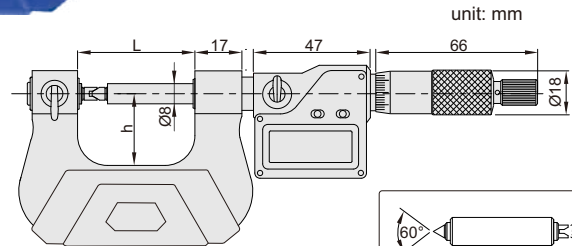
## DIGITAL SCREW THREAD MICROMETER



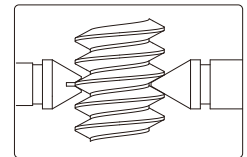
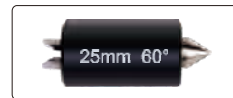
- ◆ Measure pitch diameter of screw threads
- ◆ Resolution 0.001mm/0.00005"
- ◆ Button: on/off, set, mm/inch, ABS/INC, data output
- ◆ Automatic power off
- ◆ Data output
- ◆ Non-rotating spindle
- ◆ Ratchet stop
- ◆ Supplied with 60° setting standards (except 333-001-01)
- ◆ Optional accessory: 55° setting standards



333-001-01



Setting standards



Code	Range	Micrometer head accuracy	L	h	Setting standards (included)
333-001-01	0-25mm/0-1"	±4µm	42	26	-
333-002-01	25-50mm/1-2"	±4µm	67	38	25mm
333-003-01	50-75mm/2-3"	±5µm	92	50	50mm
333-004-01	75-100mm/3-4"	±5µm	117.6	62	75mm
333-005-01	100-125mm/4-5"	±6µm	143	70	100mm
333-006-01	125-150mm/5-6"	±6µm	168	82	125mm
333-007-01	150-175mm/6-7"	±7µm	192	94.5	150mm
333-008-01	175-200mm/7-8"	±7µm	217	107	175mm
333-009-01	200-225mm/8-9"	±8µm	242	130	200mm
333-010-01	225-250mm/9-10"	±8µm	267	142	225mm
333-011-01	250-275mm/10-11"	±9µm	291	155	250mm
333-012-01	275-300mm/11-12"	±9µm	317	167	275mm

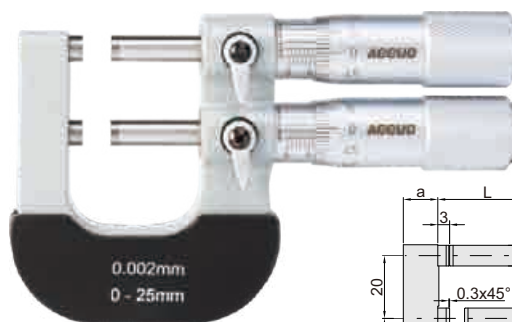
Accuracy of micrometers with tips

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

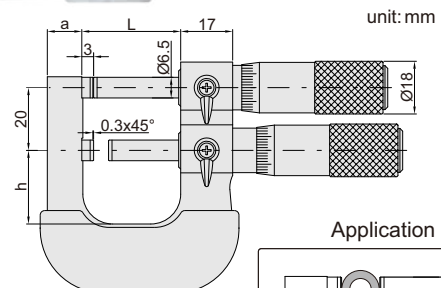
## SERIES 335

## LIMIT MICROMETER

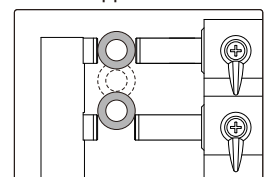
- ◆ Used as Go/No-Go gauge by setting upper and lower limits
- ◆ Graduation 0.002mm
- ◆ Carbide measuring faces
- ◆ Supplied with setting standard (except 335-001-01)



335-001-01



Application



Setting standards(included)



Code	Range	Accuracy	L	a	h	Setting standards(included)
335-001-01	0-25mm	4µm	32	12	24	-
335-002-01	25-50mm	4µm	57	15	32	25mm



**SERIES 350**

**DIGITAL SHEET METAL MICROMETER**



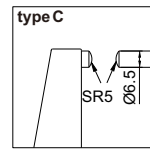
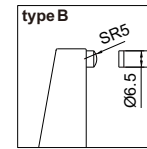
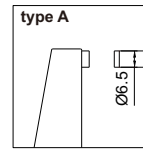
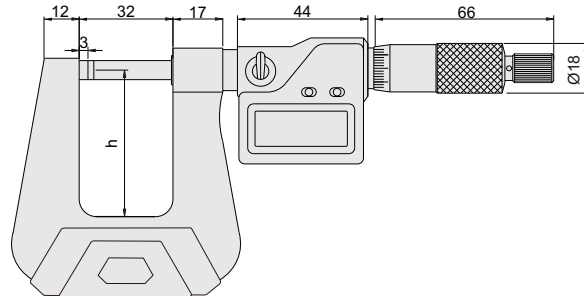
- ◆ Deep frame suitable for sheet metal, paper and plastic
- ◆ Resolution: 0.001mm/0.00005"
- ◆ IP65 protection level
- ◆ Button: on/off, mm/inch, set, zero, ABS/INC, date output
- ◆ Automatic power off
- ◆ Data output
- ◆ Carbide measuring faces, ratchet stop



350-001-11

unit: mm

Code	Range	Accuracy	Type	h
350-001-11	0-25mm/0-1"	±3µm	A	50
350-001-12	0-25mm/0-1"	±5µm	A	100
350-001-13	0-25mm/0-1"	±7µm	A	150
350-001-21	0-25mm/0-1"	±3µm	B	50
350-001-22	0-25mm/0-1"	±5µm	B	100
350-001-23	0-25mm/0-1"	±7µm	B	150
350-001-24	0-25mm/0-1"	±10µm	B	310
350-001-31	0-25mm/0-1"	±3µm	C	50
350-001-32	0-25mm/0-1"	±5µm	C	100
350-001-33	0-25mm/0-1"	±7µm	C	150



**SERIES 336**

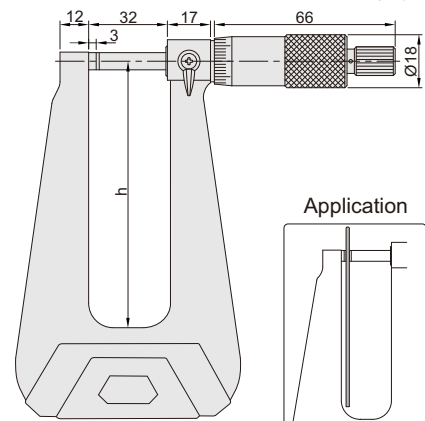
**SHEET METAL MICROMETER**

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

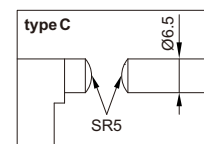
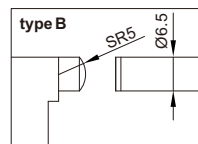
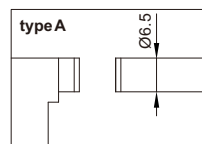


336-001-01

unit: mm



Code	Range	Accuracy	Type	h
336-001-11	0-25mm	4µm	A	50
336-001-21	0-25mm	4µm	B	50
336-001-31	0-25mm	4µm	C	50
336-001-01	0-25mm	7µm	B	100
336-001-02	0-25mm	7µm	A	155
336-001-03	0-25mm	7µm	B	155
336-001-04	0-25mm	7µm	C	155
336-001-05	0-25mm	10µm	B	310





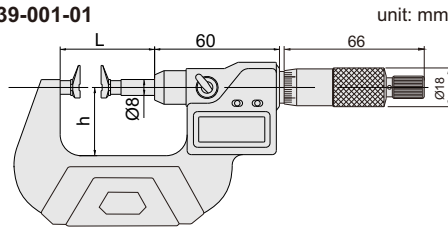
**SERIES 339**

**DIGITAL JAW TYPE MICROMETER**

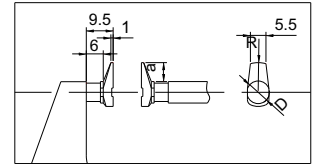
- ◆ Resolution: 0.001mm/0.00005"
- ◆ Buttons: on/off, set, mm/inch, ABS/INC data output
- ◆ Automatic power off
- ◆ Data output
- ◆ Non-rotating spindle
- ◆ Supplied with setting standards (except 339-001-01)



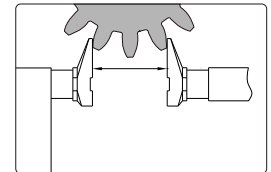
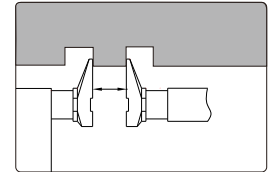
339-001-01



Setting standards(included)



Application



Code	Range	Accuracy	L	a	h	R	D	Setting standards(included)
339-001-01	0-25mm/0-1"	4μm	43	6.5	32	10	8	-
339-002-01	25-50mm/1-2"	4μm	85	6.5	44.5	10	8	25mm
339-003-01	50-75mm/2-3"	5μm	110	6.5	57	10	8	50mm
339-004-01	75-100mm/3-4"	5μm	135	6.5	70	10	8	75mm
339-005-01	100-125mm/4-5"	6μm	160	11.5	86	15	12	100mm
339-006-01	125-150mm/5-6"	6μm	186	11.5	94.5	15	12	125mm
339-007-01	150-175mm/6-7"	7μm	211	11.5	107	15	12	150mm
339-008-01	175-200mm/7-8"	7μm	236	11.5	120	15	12	175mm

**SERIES 330**

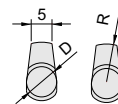
**JAW TYPE MICROMETER**

- ◆ Graduation :0.01mm
- ◆ Non-rotating spindle, painted frame,
- ◆ Ratchet stop
- ◆ Supplied with setting standards (except 330-001-01)

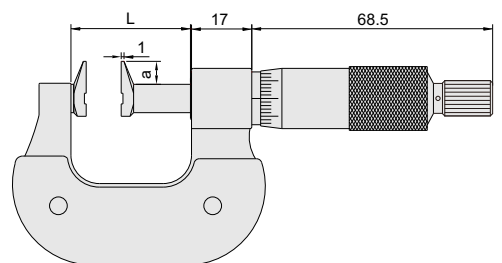


330-001-01

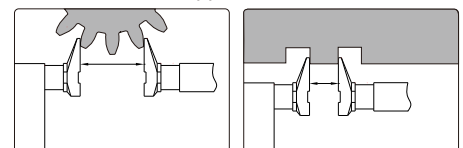
Setting standards(included)



unit: mm



Application



Code	Range	Accuracy	L	a	R	D	Setting standards (included)
330-001-01	0-25mm	4μm	34	6	10	8	-
330-002-01	25-50mm	4μm	59	6	10	8	25mm
330-003-01	50-75mm	5μm	85	6	10	8	50mm
330-004-01	75-100mm	5μm	110	6	10	8	75mm
330-005-01	100-125mm	6μm	138	9	15	12	100mm
330-006-01	125-150mm	6μm	163	9	15	12	125mm
330-007-01	150-175mm	7μm	188	9	15	12	150mm
330-008-01	175-200mm	7μm	214	9	15	12	175mm

**SERIES 338**

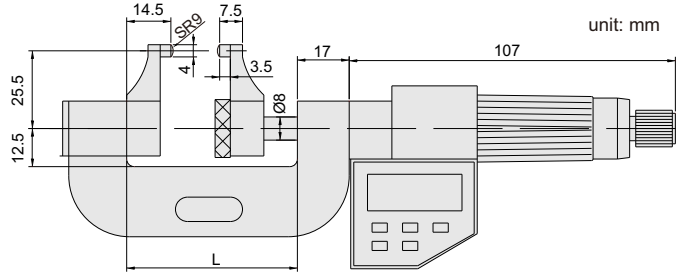
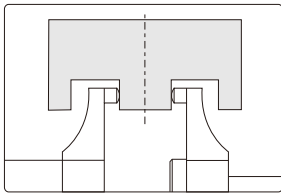
**DIGITAL CALIPER TYPE MICROMETER**



- ◆ Resolution: 0.001mm/0.00005"
- ◆ Buttons: on/off, set, mm/inch, ABS/INC data output
- ◆ Automatic power off
- ◆ Date output
- ◆ Supplied with setting standards (except 338-001-01)



338-001-01



Code	Range	Accuracy	L	Setting standards(included)
338-001-01	0-25mm/0-1"	10µm	56	-
338-002-01	25-50mm/1-2"	10µm	81	25mm
338-003-01	50-75mm/2-3"	11µm	106	50mm
338-004-01	75-100mm/3-4"	11µm	131	75mm

Setting standards(included)



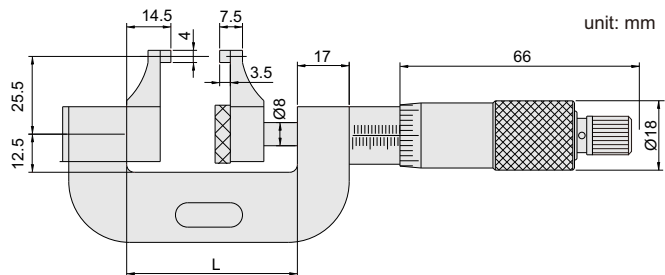
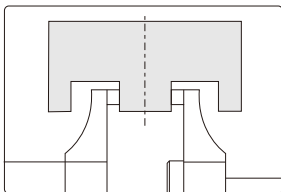
**SERIES 378**

**CALIPER TYPE MICROMETER**

- ◆ Graduation 0.01mm
- ◆ Non-rotating spindle
- ◆ Ratchet stop
- ◆ Carbide measuring faces
- ◆ Supplied with setting standards (except 378-001-01)



378-001-01



Code	Range	Accuracy	L	Setting standards(included)
378-001-01	0-25mm	10µm	56	-
378-002-01	25-50mm	10µm	81	25mm
378-003-01	50-75mm	11µm	106	50mm
378-004-01	75-100mm	11µm	131	75mm

Setting standards(included)





**SERIES 337**

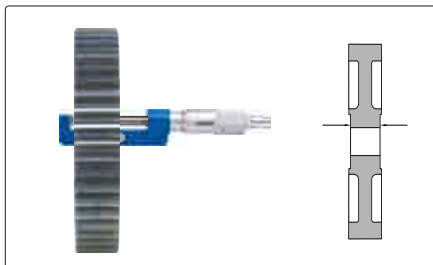
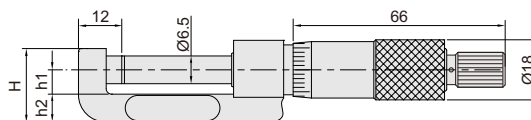
**HUB MICROMETER**

- ◆ Measure hub thickness and shoulder inside a bore
- ◆ Graduation 0.01mm
- ◆ Ratchet stop
- ◆ Carbide measuring faces
- ◆ Supplied with setting standards (except 337-001-01)



337-002-01

unit: mm



Code	Range	Accuracy	h1	h2	H	Setting standards(included)
337-001-01	0-25mm	4µm	6	9	18.7	-
337-002-01	25-50mm	4µm	6.5	11	21.2	25mm
337-003-01	50-75mm	5µm	6.5	11	21.2	50mm
337-004-01	75-100mm	5µm	6.5	11	21.2	75mm

Setting standards(included)



**SERIES 308**

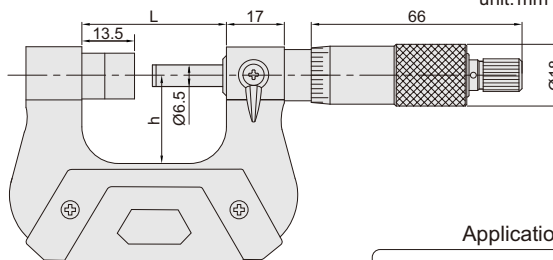
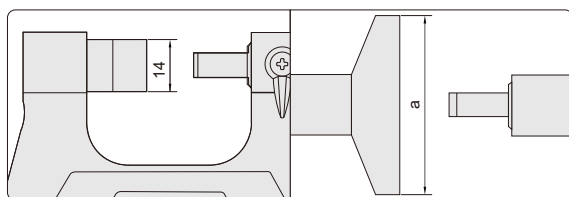
**LARGE ANVIL MICROMETER**

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

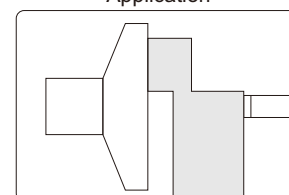


308-001-01

unit: mm



Application



Code	Range	Accuracy	a	h	L
308-001-01	0-25mm	4µm	50	26	42
308-002-01	25-50mm	4µm	60	38	67

## SERIES 302

## DIGITAL UNIVERSAL MICROMETER



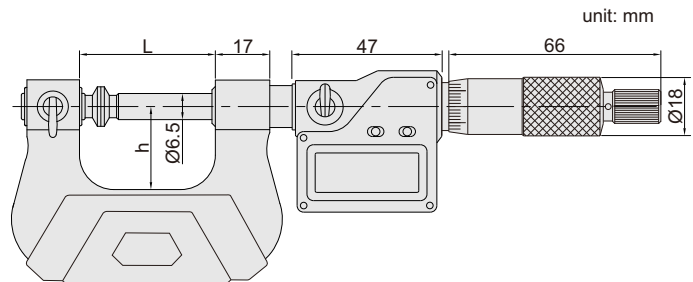
- ◆ Resolution 0.001mm/0.00005"
- ◆ Button: on/off, set, mm/inch, ABS/INC, data output
- ◆ Automatic power off
- ◆ Data output
- ◆ Ratchet stop
- ◆ Supplied with 7 pairs of anvil/spindle tips
- ◆ Setting standards are included (except 0-25mm/0-1")
- ◆ Optional accessory: 55° anvil/spindle tip



302-001-01

### Standard anvil/spindle tip

Flat		
Spherical		
Spline		
Disk		
Blade		
Knife-edge		
Point		



### Optional 55° anvil/spindle tip

301-000-01 Knife-edge		
301-000-02 Point		

Code	Range	Accuracy	L	h	Setting standards(included)
302-001-01	0-25mm/0-1"	4μm	42	26	-
302-002-01	25-50mm/1-2"	4μm	67	38	25mm
302-003-01	50-75mm/2-3"	5μm	92	50	50mm
302-004-01	75-100mm/3-4"	5μm	118	62	75mm
302-005-01	100-125mm/4-5"	6μm	143	70	100mm
302-006-01	125-150mm/5-6"	6μm	168	82	125mm
302-007-01	150-175mm/6-7"	7μm	192	95	150mm
302-008-01	175-200mm/7-8"	7μm	217	107	175mm

Setting standards(included)



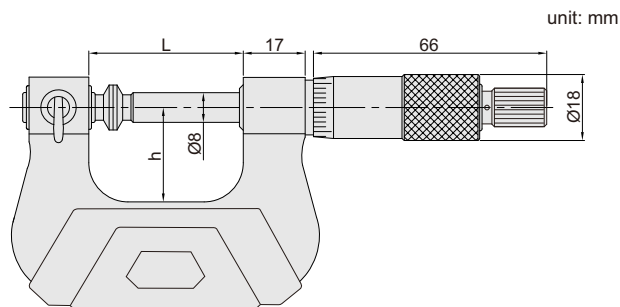
- ◆ Graduation 0.01mm
- ◆ Non-rotating spindle
- ◆ Ratchet stop
- ◆ Supplied with 7 pairs of anvil/spindle tips
- ◆ Setting standards are included (except 0-25mm)
- ◆ Optional accessory: 55° anvil/spindle tip



301-001-01

**Standard anvil/spindle tip**

Flat		
Spherical		
Spline		
Disk		
Blade		
Knife-edge		
Point		



**Optional 55° anvil/spindle tip**

301-000-01 Knife-edge		
301-000-02 Point		

Code	Range	Accuracy	L	h	Setting standards(included)
301-001-01	0-25mm	4μm	42	26	-
301-002-01	25-50mm	4μm	67	38	25mm
301-003-01	50-75mm	5μm	92	50	50mm
301-004-01	75-100mm	5μm	118	62	75mm
301-005-01	100-125mm	6μm	143	70	100mm
301-006-01	125-150mm	6μm	168	82	125mm
301-007-01	150-175mm	7μm	192	95	150mm
301-008-01	175-200mm	7μm	217	107	175mm

Setting standards(included)

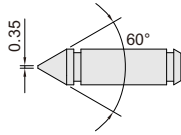


**SERIES 301**

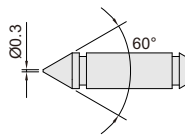
**UNIVERSAL MICROMETER TIPS**



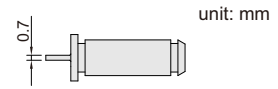
301-000-11



301-000-12



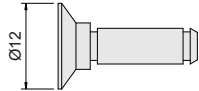
301-000-13



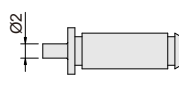
unit: mm



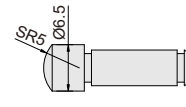
301-000-14



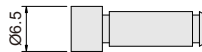
301-000-15



301-000-16



301-000-17



Code	Name
301-000-11	Knife-edge
301-000-12	Point
301-000-13	Blade
301-000-14	Disk
301-000-15	Spline
301-000-16	Spherical
301-000-17	Flat
301-000-TS	7pairs/set, including all above tips

◆ For series 301 non rotating spindle universal micrometer and series 302 digital universal micrometer

**SERIES 310**

**OUTSIDE MICROMETER FOR LEFT OR RIGHT HAND**

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



front side

310-001-01

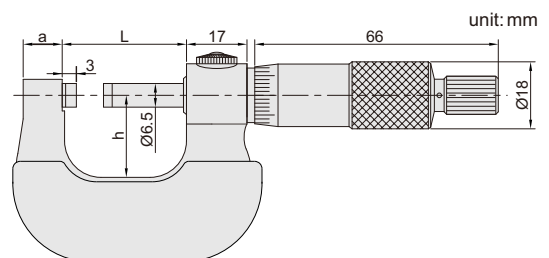


reverse side

Setting standards (included)



Code	Range	Accuracy	a	h	L	Setting standards (included)
310-001-01	0-25mm	4µm	6	24	32	-
310-002-01	25-50mm	4µm	8	32	57	25mm
310-003-01	50-75mm	5µm	8	45	82	50mm
310-004-01	75-100mm	5µm	8	57	107	75mm
310-005-01	100-125mm	6µm	8	70	133	100mm
310-006-01	125-150mm	6µm	8	82	158	125mm
310-007-01	150-175mm	7µm	8	95	183	150mm
310-008-01	175-200mm	7µm	8	107	209	175mm



unit: mm

**SERIES 397**

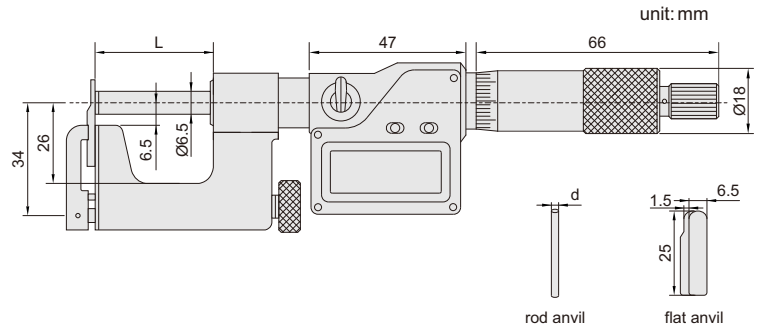
**DIGITAL INTERCHANGEABLE ANVIL MICROMETER**



- ◆ 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
- ◆ Automatic power off
- ◆ Data output
- ◆ Ratchet stop
- ◆ Carbide spindle tip
- ◆ Setting standards are included (except 0-25mm/0-1")



397-001-01

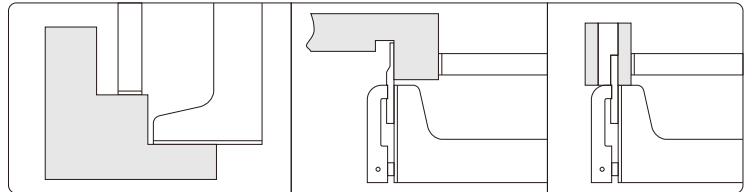


Setting standards (included)



Code	Range	Accuracy	L	d
397-001-01	0-25mm/0-1"	±4µm	28.5	Ø3
397-002-01	25-50mm/1-2"	±4µm	53.5	Ø5

Application



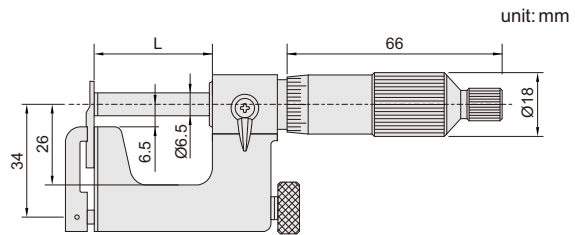
**SERIES 377**

**INTERCHANGEABLE ANVIL MICROMETER**

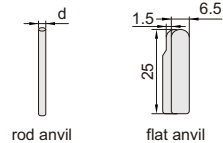
- ◆ Measure tube thickness, shoulder edge distance, rivet head height, etc.
- ◆ Supplied with flat anvil and rod anvil
- ◆ Graduation 0.01mm
- ◆ Ratchet stop
- ◆ Carbide spindle tip
- ◆ Setting standards are included (except 0-25mm)



377-001-01

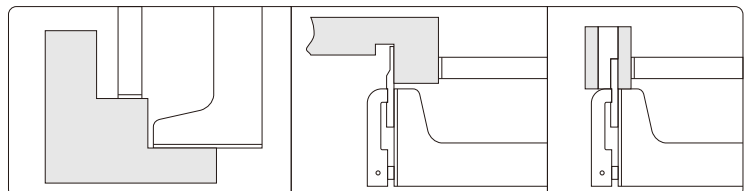


Setting standards (included)



Code	Range	Accuracy	L	d
377-001-01	0-25mm	4µm	28.5	Ø3
377-002-01	25-50mm	4µm	53.5	Ø5

Application





**SERIES 304**

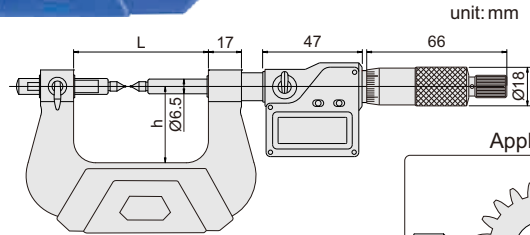
**DIGITAL GEAR TOOTH MICROMETER**



- ◆ Measure over-pin diameter of gears
- ◆ Resolution 0.001mm/0.00005"
- ◆ IP65 dust/waterproof
- ◆ Button function: on/off, set, mm/inch, ABS/INC
- ◆ Data output (cable code: 300-03 or 300-04)
- ◆ Automatic power off
- ◆ Ratchet stop
- ◆ Supplied with setting standards (except **304-001-01**)
- ◆ Optional accessory: ball tips (code: series **345-000-XX**)

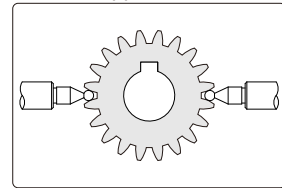


**304-002-01**



unit: mm

Application



Install points



Code	Range	Accuracy	L	h	Setting standards (included)
<b>304-001-01</b>	0-25mm/0-1"	4µm	67	38	-
<b>304-002-01</b>	25-50mm/1-2"	4µm	92.4	50	25mm
<b>304-003-01</b>	50-75mm/2-3"	5µm	117.6	62	50mm
<b>304-004-01</b>	75-100mm/3-4"	5µm	143	70	75mm
<b>304-005-01</b>	100-125mm/4-5"	6µm	168.2	82	100mm
<b>304-006-01</b>	125-150mm/5-6"	6µm	192	94.5	125mm
<b>304-007-01</b>	150-175mm/6-7"	7µm	217	107	150mm

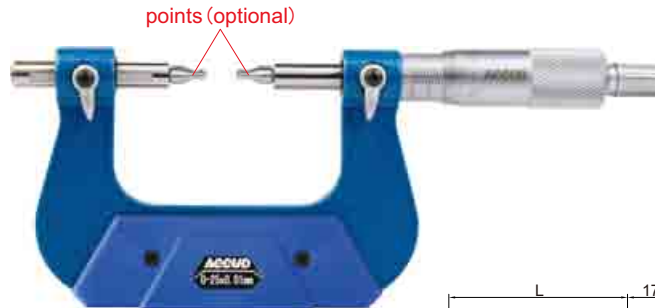
Setting standards (included)



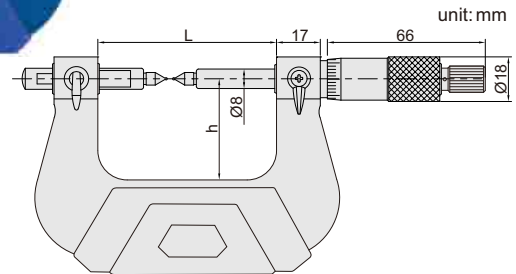
**SERIES 345**

**GEAR TOOTH MICROMETER**

- ◆ Measure over-pin diameter of gears
- ◆ Graduation 0.01mm
- ◆ Ratchet stop
- ◆ Supplied with setting standards (except **345-001-01**)
- ◆ Optional accessory: ball tips



**345-001-01**



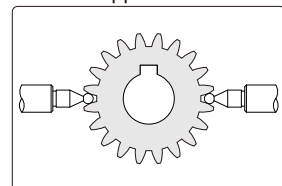
unit: mm

Setting standards (included)



Code	Range	Accuracy	L	h	Setting standards(included)
<b>345-001-01</b>	0-25mm	4µm	67	38	-
<b>345-002-01</b>	25-50mm	4µm	92.4	50	25mm
<b>345-003-01</b>	50-75mm	5µm	117.6	62	50mm
<b>345-004-01</b>	75-100mm	5µm	143	70	75mm
<b>345-005-01</b>	100-125mm	6µm	168.2	82	100mm
<b>345-006-01</b>	125-150mm	6µm	192	94.5	125mm
<b>345-007-01</b>	150-175mm	7µm	217	107	150mm

Application





**SERIES 345**

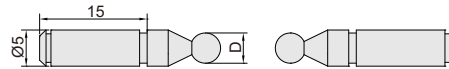
**BALL TIPS FOR GEAR TOOTH MICROMETER**

◆ Supplied in pair



345-000-01

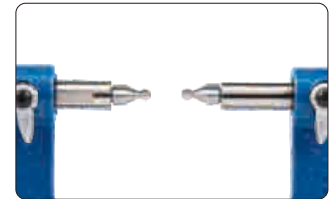
unit: mm



Code	Ball dia.(D)
345-000-01	SØ1mm
345-000-02	SØ1.5mm
345-000-03	SØ2.0mm
345-000-04	SØ2.5mm
345-000-05	SØ3.0mm
345-000-06	SØ3.5mm

Code	Ball dia.(D)
345-000-07	SØ4.0mm
345-000-08	SØ4.5mm
345-000-09	SØ5.0mm
345-000-10	SØ6.0mm
345-000-TS	10 pairs/set, including all above tips

Install points



**SERIES 344**

**GROOVE MICROMETER**

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



344-004-01



344-002-11

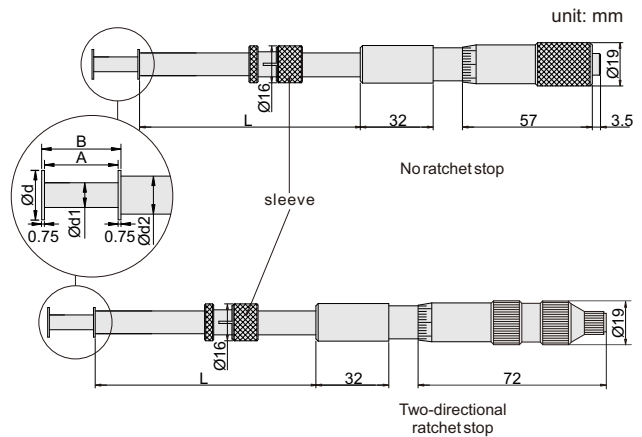
**Two-directional ratchet stop**

Code	Range (outside B)	Range (inside A)	Accuracy	Ød	Ød1	Ød2	L
344-001-11	0-25mm	1.6-26.5mm	10µm	13	6.5	10	120
344-002-11	25-50mm	26.5-51.5mm	10µm	13	6.5	10	120
344-003-11	50-75mm	51.5-76.5mm	10µm	13	6.5	10	120
344-004-11	75-100mm	76.5-101.5mm	10µm	13	6.5	10	120
344-001-12	0-25mm	1.6-26.5mm	10µm	6.5	3	5	90

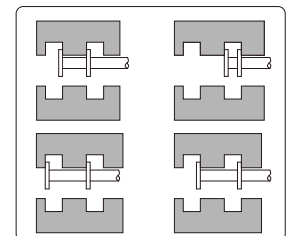
**No ratchet stop**

Code	Range (outside B)	Range (inside A)	Accuracy	Ød	Ød1	Ød2	L
344-001-01	0-25mm	1.6-26.5mm	10µm	13	6.5	10	120
344-002-01	25-50mm	26.5-51.5mm	10µm	13	6.5	10	120
344-003-01	50-75mm	51.5-76.5mm	10µm	13	6.5	10	120
344-004-01	75-100mm	76.5-101.5mm	10µm	13	6.5	10	120
344-001-02	0-25mm	1.6-26.5mm	10µm	6.5	3	5	90

\*344-001-02 and 344-001-12 do not have sleeve.



Application



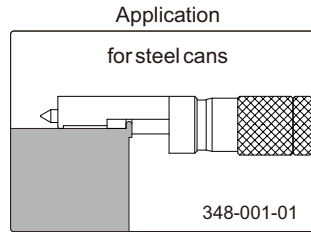
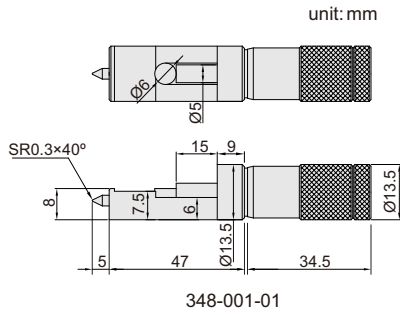
**SERIES 348**

**CAN SEAM MICROMETER**

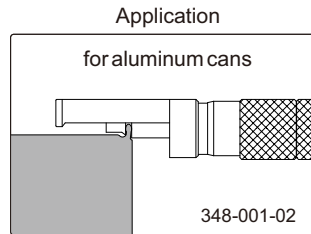
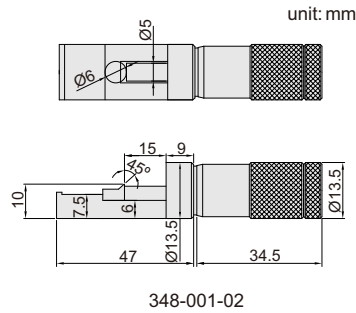
- ◆ Measure the width, height and depth of can seams
- ◆ Graduation 0.01mm



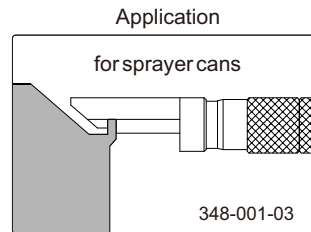
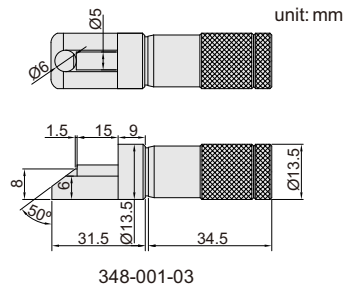
**348-001-01**



**348-001-02**



**348-001-03**



Code	Range	Accuracy
348-001-01	0-13mm	4µm
348-001-02	0-13mm	4µm
348-001-03	0-13mm	4µm

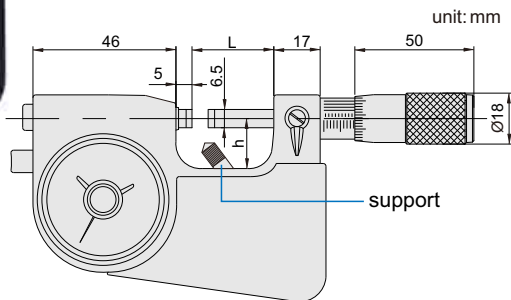


**SERIES 349**

**INDICATING MICROMETER**



349-001-01



- ◆ Dial indicator: range 40µm, graduation 0.001mm, accuracy 0.001mm
- ◆ Carbide measuring faces
- ◆ Supplied with setting standards (except 0-25mm)

Code	Micrometer head range	Micrometer head graduation	Micrometer head accuracy	L	h	Setting standards (included)	Support
349-001-01	0-25mm	0.002mm	3µm	28.5	19	-	with
349-002-01	25-50mm	0.002mm	3µm	53.5	30	25mm	with
349-003-01	50-75mm	0.002mm	5µm	78.5	45	50mm	without
349-004-01	75-100mm	0.002mm	5µm	103.5	57	75mm	without
349-005-01	100-125mm	0.002mm	5µm	128.5	69	100mm	without
349-006-01	125-150mm	0.002mm	5µm	153.5	82	125mm	without
349-007-01	150-175mm	0.002mm	5µm	178.5	94	150mm	without

Setting standards(included)



**SERIES 349**

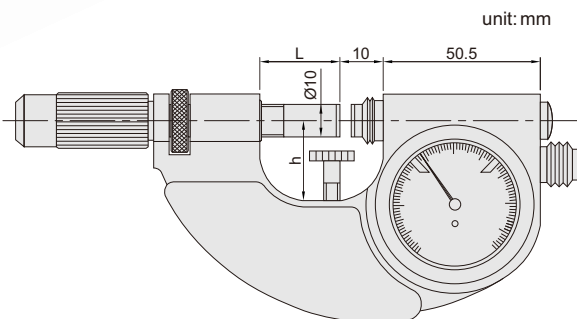
**DIAL SNAP GAUGE**



- ◆ Quick measurement for mass production
- ◆ Dial indicator: range ±0.04mm, graduation 0.001mm, accuracy 0.001mm
- ◆ IP54 dust/waterproof
- ◆ Measuring force: 5-10N
- ◆ Carbide measuring faces



349-001-21



Code	Range	h	L
349-001-21	0-25mm	25	28.5
349-002-22	25-50mm	35	53.5
349-003-23	50-75mm	47.5	78.5
349-004-24	75-100mm	60	103.5



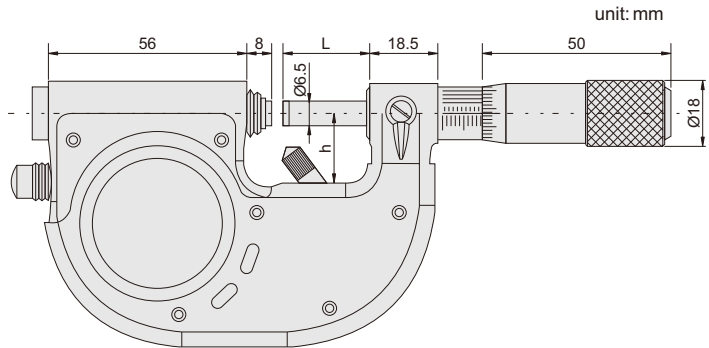
**SERIES 389**

**ELECTRONIC INDICATING MICROMETER**



**389-001-02WF**

- ◆ Indicator: range  $\pm 0.04\text{mm}$ , accuracy  $\pm 1\mu\text{m}$
- ◆ IP54 protection level
- ◆ Buttons: zero, on/off, data output, mm/inch, tolerance monitoring on/off, display interface setting, wireless transmission setting, selection of wireless transmission modes
- ◆ Automatic power off
- ◆ Power: rechargeable battery, for 20 hours continuous working (full charge)
- ◆ Supplied with setting standards (except 0-25mm)



Cable (included)



Reverse side



Setting standards (included)



**Indicator resolution 0.5 $\mu\text{m}$**

Code	Micrometer head range	Micrometer head graduation	Micrometer head accuracy	L	h	Setting standards (included)	Remark
389-001-05	0-25mm	0.002mm	3 $\mu\text{m}$	28	19	-	without data transmission
389-002-05	25-50mm	0.002mm	3 $\mu\text{m}$	53	35	25mm	
389-003-05	50-75mm	0.002mm	4 $\mu\text{m}$	79	47	50mm	
389-004-05	75-100mm	0.002mm	4 $\mu\text{m}$	104	60	75mm	

**Indicator resolution 0.2 $\mu\text{m}$**

Code	Micrometer head range	Micrometer head graduation	Micrometer head accuracy	L	h	Setting standards (included)	Remark
389-001-02WF	0-25mm	0.002mm	3 $\mu\text{m}$	28	19	-	with data transmission (by USB or blue-tooth)
389-002-02WF	25-50mm	0.002mm	3 $\mu\text{m}$	53	35	25mm	
389-003-02WF	50-75mm	0.002mm	4 $\mu\text{m}$	79	47	50mm	
389-004-02WF	75-100mm	0.002mm	4 $\mu\text{m}$	104	60	75mm	



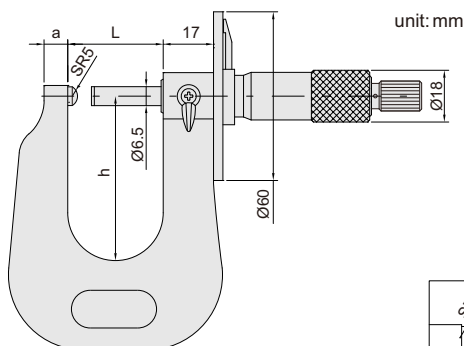
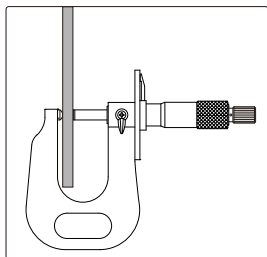
347

SHEET METAL MICROMETER

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



Application



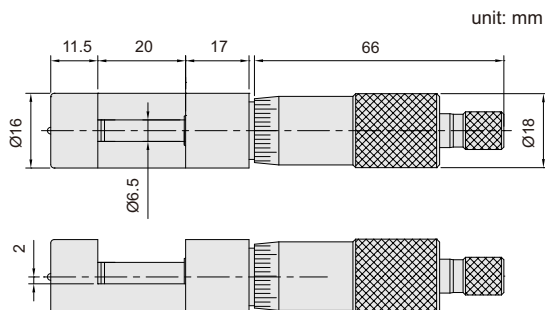
unit: mm

Code	Range	Accuracy	a	h	L
347-015-01	0-15mm	4µm	8	50	22
347-001-01	0-25mm	4µm	8	50	32
347-002-01	0-50mm	5µm	12	100	57

370

WIRE MICROMETER

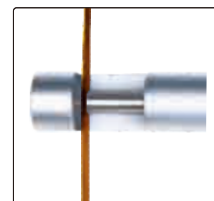
- ◆ Measure diameter of wires and small balls
- ◆ Graduation 0.01mm
- ◆ Ratchet stop
- ◆ Carbide measuring faces



unit: mm

MICROMETER

Code	Range	Accuracy
370-010-01	0-10mm	4µm



**SERIES 305**

**NON MAGNETIC MICROMETER**

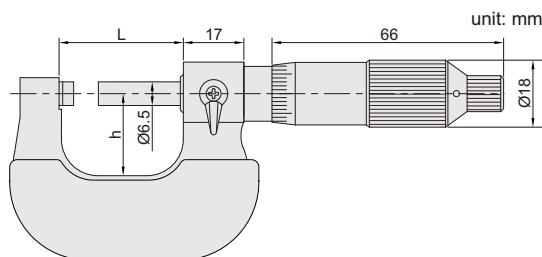


- ◆ Suitable for magnetic materials
- ◆ Graduation: 0.01 mm
- ◆ Non magnetic carbide measuring faces
- ◆ Ratchet stop
- ◆ Supplied with setting standards (except 0-25mm)



305-001-01

Setting standards(included)



Code	Range	Accuracy	L	h	Setting standards (included)
305-001-01	0-25mm	4µm	32	24	-
305-002-01	25-50mm	4µm	57	32	25
305-003-01	50-75mm	5µm	82	45	50
305-004-01	75-100mm	5µm	105	57	75

**SERIES 307**

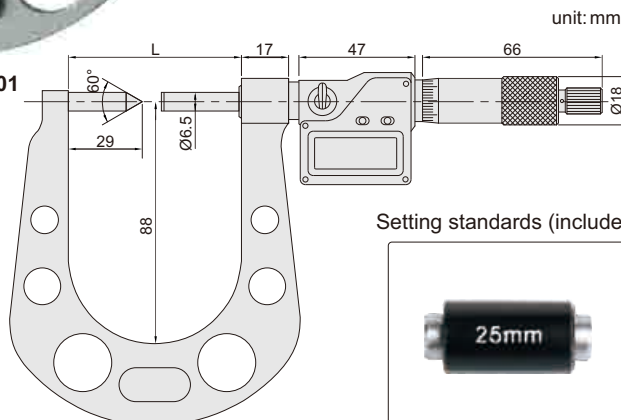
**DIGITAL DISK BRAKE MICROMETER**



- ◆ Measure thickness of disk brakes
- ◆ Resolution: 0.001mm/0.00005"
- ◆ IP65 protection level
- ◆ Button: on/off, mm/inch, set, zero
- ◆ Data output
- ◆ Automatic power off
- ◆ Ratchet stop
- ◆ Carbide measuring faces
- ◆ Supplied with setting standards



307-001-01



Setting standards (included)



Code	Range	Accuracy	L	Setting standards (included)
307-001-01	7.6-33mm	±5µm	64.5	25mm
307-002-01	25-50mm	±5µm	82	25mm



**SERIES 306**

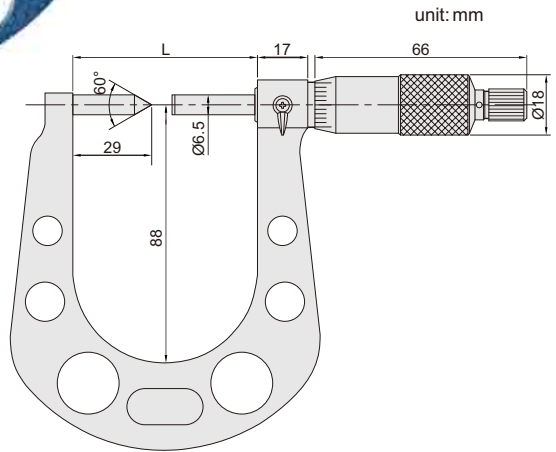
**DISK BRAKE MICROMETER**

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



306-001-01

Setting standards (included)

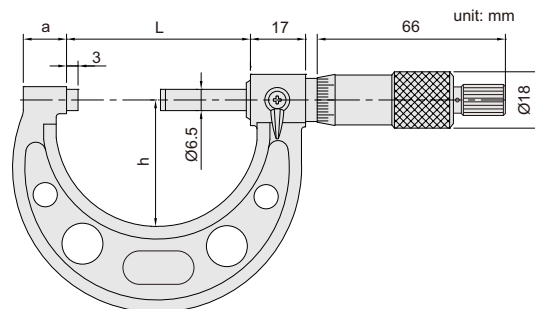


Code	Range	Accuracy	L	Setting standards (included)
306-001-01	7.6-33mm	5µm	64.5	25mm
306-002-01	25-50mm	5µm	82	25mm

**379**

**LONG SPINDLE OUTSIDE MICROMETER**

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



Code	Range	Accuracy	L	a	h
379-001-01	0-25mm	4µm	57	14	38



**SERIES 376**

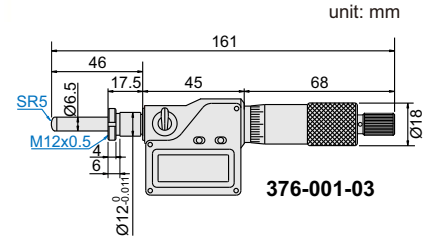
**DIGITAL MICROMETER HEAD**



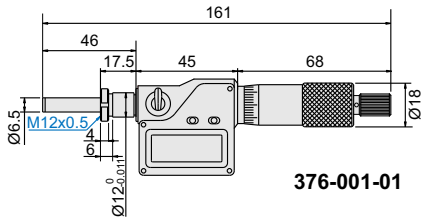
- ◆ Resolution 0.001mm/0.00005"
- ◆ IP65 protection level
- ◆ Button: on/off, set, mm/inch, ABS/INC, data output
- ◆ Automatic power off
- ◆ Data output
- ◆ Ratchet stop



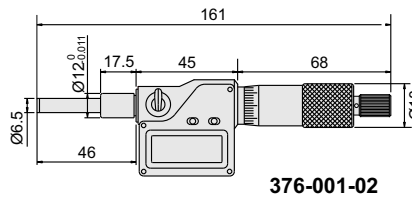
376-001-04



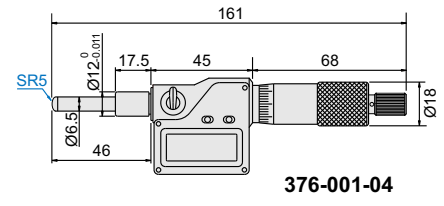
376-001-03



376-001-01



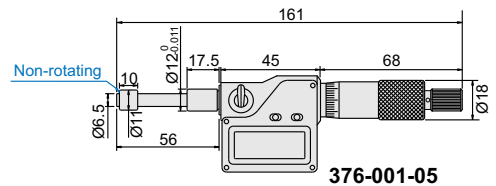
376-001-02



376-001-04

**Rotating spindle**

Code	Range	Accuracy	Stem	Spindle tip
376-001-01	0-25mm/0-1"	±2µm	with clamp nut	flat(carbide)
376-001-02	0-25mm/0-1"	±2µm	plain	flat(carbide)
376-001-03	0-25mm/0-1"	±2µm	with clamp nut	spherical(SR5)
376-001-04	0-25mm/0-1"	±2µm	plain	spherical(SR5)



376-001-05

**Non-rotating spindle**

Code	Range	Accuracy	Stem	Spindle tip
376-001-05	0-25mm/0-1"	±2µm	plain	flat(carbide)

**SERIES 376**

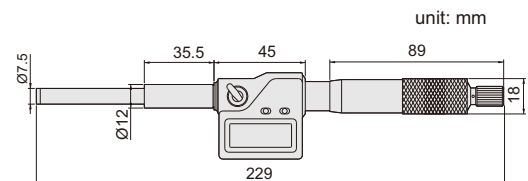
**DIGITAL MICROMETER HEAD**



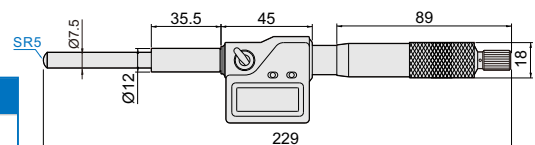
- ◆ Resolution 0.001mm/0.00005"
- ◆ IP65 protection level
- ◆ Button: on/off, set, mm/inch, ABS/INC, data output
- ◆ Automatic power off
- ◆ Data output
- ◆ Ratchet stop



376-002-03



376-002-03



376-002-04

Code	Range	Accuracy	Stem	Spindle tip
376-002-03	0-50mm/0-2"	4µm	plain	flat(carbide)
376-002-04	0-50mm/0-2"	4µm	plain	spherical(SR5)

# SERIES 371

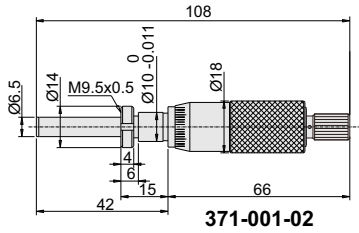
# MICROMETER HEAD



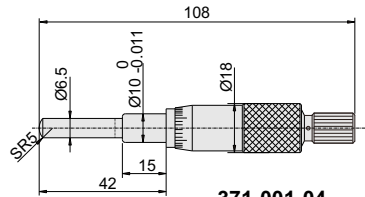
- ◆ Graduation: 0.01mm
- ◆ Carbide measuring faces
- ◆ Ratchet stop



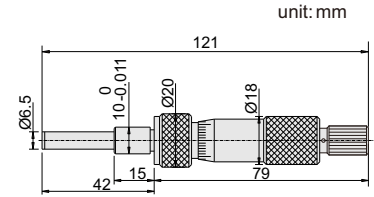
371-001-02



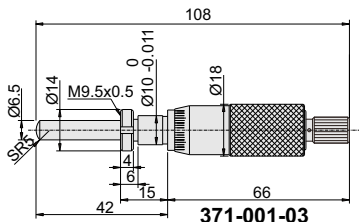
371-001-02



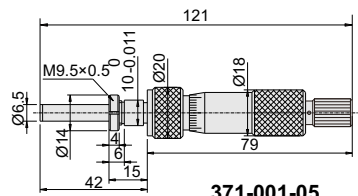
371-001-04



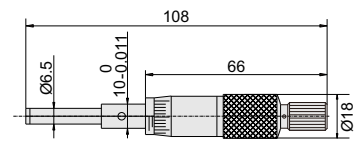
371-001-06



371-001-03



371-001-05

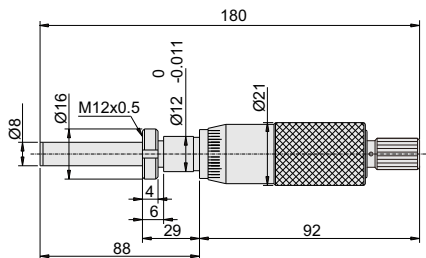


371-001-11

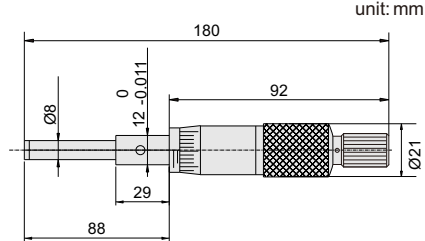
Code	Range	Accuracy	Stem	Spindle tip	Remark
371-001-02	0-25mm	3µm	with clamp nut	flat (carbide)	
371-001-03	0-25mm	3µm	with clamp nut	spherical (SR5)	
371-001-04	0-25mm	3µm	plain	spherical (SR5)	
371-001-05	0-25mm	3µm	with clamp nut	flat (carbide)	with spindle lock
371-001-06	0-25mm	3µm	plain	flat (carbide)	with spindle lock
371-001-11	0-25mm	3µm	plain	flat (carbide)	



371-002-11



371-002-02



371-002-11

Code	Range	Accuracy	Stem	Spindle tip
371-002-02	0-50mm	5µm	with clamp nut	flat (carbide)
371-002-11	0-50mm	5µm	plain	flat (carbide)

**SERIES 373**

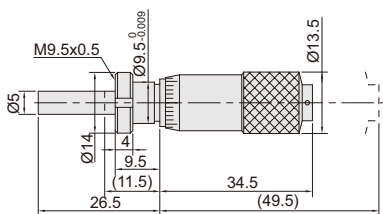
**MICROMETER HEAD**

◆ Graduation 0.01mm

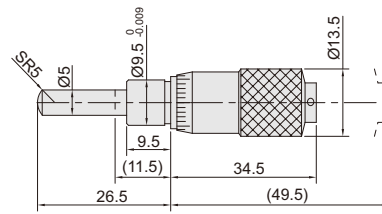


373-001-01

unit: mm



373-001-01



373-001-04

Code	Range	Accuracy	Stem	Spindle tip
373-001-01	0-15mm	3µm	with clamp nut	flat (carbide)
373-001-02	0-15mm	3µm	plain	flat (carbide)
373-001-03	0-15mm	3µm	with clamp nut	spherical (SR5)
373-001-04	0-15mm	3µm	plain	spherical (SR5)

**SERIES 373**

**MICROMETER HEAD**

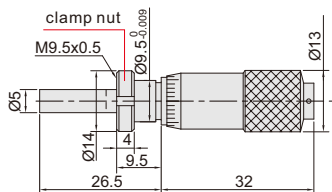


373-013-01

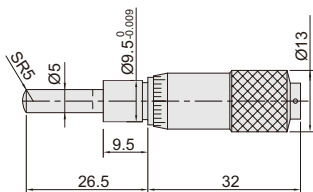


373-013-05

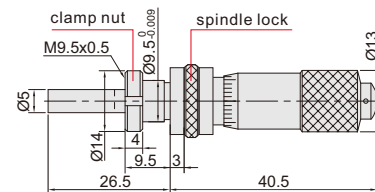
unit: mm



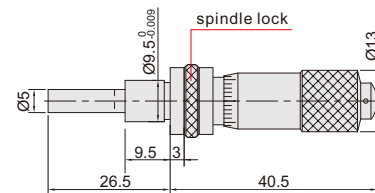
373-013-01



373-013-04



373-013-05



373-013-06

Code	Range	Accuracy	Stem	Spindle tip	Remark
373-013-01	0-13mm	3µm	with clamp nut	flat (carbide)	
373-013-02	0-13mm	3µm	plain	flat (carbide)	
373-013-03	0-13mm	3µm	with clamp nut	spherical (SR5)	
373-013-04	0-13mm	3µm	plain	spherical (SR5)	
373-013-05	0-13mm	3µm	with clamp nut	flat (carbide)	with spindle lock
373-013-06	0-13mm	3µm	plain	flat (carbide)	with spindle lock

◆ Meet DIN863-2  
◆ Graduation 0.01mm



◆ For standard value setting



321-004-ST

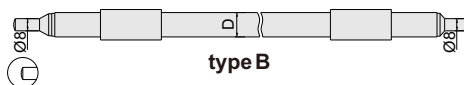
unit: mm



type A



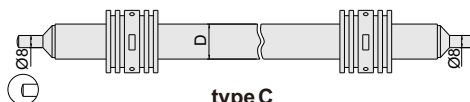
321-015-ST



type B



321-042-ST



type C

Code	Length	Accuracy	D	Type
321-001-ST	25mm	±1.5µm	Ø7mm	A
321-002-ST	50mm	±2µm	Ø7mm	A
321-003-ST	75mm	±2.5µm	Ø7mm	A
321-004-ST	100mm	±3µm	Ø8mm	A
321-005-ST	125mm	±3.5µm	Ø8mm	A
321-006-ST	150mm	±4µm	Ø8mm	A
321-007-ST	175mm	±4.5µm	Ø8mm	A
321-008-ST	200mm	±5µm	Ø8mm	A
321-009-ST	225mm	±5.5µm	Ø8mm	A
321-010-ST	250mm	±6µm	Ø8mm	A
321-011-ST	275mm	±6.5µm	Ø8mm	A
321-012-ST	300mm	±7µm	Ø16mm	B
321-013-ST	325mm	±7.5µm	Ø16mm	B
321-014-ST	350mm	±8µm	Ø16mm	B
321-015-ST	375mm	±8.5µm	Ø16mm	B
321-016-ST	400mm	±9µm	Ø16mm	B
321-017-ST	425mm	±9.5µm	Ø16mm	B
321-018-ST	450mm	±10µm	Ø16mm	B
321-019-ST	475mm	±10.5µm	Ø16mm	B
321-020-ST	500mm	±11µm	Ø16mm	B
321-021-ST	525mm	±11.5µm	Ø16mm	B
321-022-ST	550mm	±12µm	Ø16mm	B
321-023-ST	575mm	±12.5µm	Ø16mm	B
321-024-ST	600mm	±13µm	Ø16mm	B
321-025-ST	625mm	±13.5µm	Ø16mm	B
321-026-ST	650mm	±14µm	Ø16mm	B
321-027-ST	675mm	±14.5µm	Ø16mm	B

Code	Length	Accuracy	D	Type
321-028-ST	700mm	±15µm	Ø16mm	B
321-029-ST	725mm	±15.5µm	Ø16mm	B
321-030-ST	750mm	±16µm	Ø16mm	B
321-031-ST	775mm	±16.5µm	Ø16mm	B
321-032-ST	800mm	±17µm	Ø16mm	B
321-033-ST	825mm	±17.5µm	Ø16mm	B
321-034-ST	850mm	±18µm	Ø16mm	B
321-035-ST	875mm	±18.5µm	Ø16mm	B
321-036-ST	900mm	±19µm	Ø16mm	B
321-037-ST	925mm	±19.5µm	Ø16mm	B
321-038-ST	950mm	±20µm	Ø16mm	B
321-039-ST	975mm	±20.5µm	Ø16mm	B
321-040-ST	1000mm	±21µm	Ø16mm	B
321-042-ST	1050mm	±22µm	Ø23mm	C
321-046-ST	1150mm	±24µm	Ø23mm	C
321-050-ST	1250mm	±26µm	Ø23mm	C
321-054-ST	1350mm	±28µm	Ø23mm	C
321-058-ST	1450mm	±30µm	Ø23mm	C
321-062-ST	1550mm	±32µm	Ø23mm	C
321-066-ST	1650mm	±34µm	Ø23mm	C
321-070-ST	1750mm	±36µm	Ø23mm	C
321-074-ST	1850mm	±38µm	Ø23mm	C
321-078-ST	1950mm	±40µm	Ø23mm	C

**SERIES 324**

**INCH MICROMETER SETTING STANDARD**

◆ For standard value setting



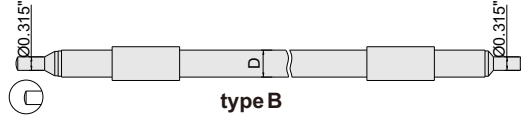
324-004-ST



type A



324-012-ST



type B

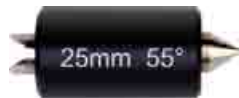
Code	Length	Accuracy	D	Type
324-001-ST	1"	±0.00006"	Ø0.276"	A
324-002-ST	2"	±0.00008"	Ø0.276"	A
324-003-ST	3"	±0.00010"	Ø0.276"	A
324-004-ST	4"	±0.00012"	Ø0.315"	A
324-005-ST	5"	±0.00014"	Ø0.315"	A
324-006-ST	6"	±0.00016"	Ø0.315"	A
324-007-ST	7"	±0.00018"	Ø0.315"	A
324-008-ST	8"	±0.00020"	Ø0.315"	A
324-009-ST	9"	±0.00022"	Ø0.315"	A
324-010-ST	10"	±0.00024"	Ø0.315"	A
324-011-ST	11"	±0.00026"	Ø0.315"	A
324-012-ST	12"	±0.00028"	Ø0.630"	B
324-013-ST	13"	±0.00030"	Ø0.630"	B
324-014-ST	14"	±0.00032"	Ø0.630"	B
324-015-ST	15"	±0.00034"	Ø0.630"	B
324-016-ST	16"	±0.00036"	Ø0.630"	B
324-017-ST	17"	±0.00038"	Ø0.630"	B
324-018-ST	18"	±0.00040"	Ø0.630"	B
324-019-ST	19"	±0.00042"	Ø0.630"	B
324-020-ST	20"	±0.00044"	Ø0.630"	B

Code	Length	Accuracy	D	Type
324-021-ST	21"	±0.00046"	Ø0.630"	B
324-022-ST	22"	±0.00048"	Ø0.630"	B
324-023-ST	23"	±0.00050"	Ø0.630"	B
324-024-ST	24"	±0.00052"	Ø0.630"	B
324-025-ST	25"	±0.00054"	Ø0.630"	B
324-026-ST	26"	±0.00056"	Ø0.630"	B
324-027-ST	27"	±0.00058"	Ø0.630"	B
324-028-ST	28"	±0.00060"	Ø0.630"	B
324-029-ST	29"	±0.00062"	Ø0.630"	B
324-030-ST	30"	±0.00064"	Ø0.630"	B
324-031-ST	31"	±0.00066"	Ø0.630"	B
324-032-ST	32"	±0.00068"	Ø0.630"	B
324-033-ST	33"	±0.00070"	Ø0.630"	B
324-034-ST	34"	±0.00072"	Ø0.630"	B
324-035-ST	35"	±0.00074"	Ø0.630"	B
324-036-ST	36"	±0.00076"	Ø0.630"	B
324-037-ST	37"	±0.00078"	Ø0.630"	B
324-038-ST	38"	±0.00080"	Ø0.630"	B
324-039-ST	39"	±0.00082"	Ø0.630"	B
324-040-ST	40"	±0.00084"	Ø0.630"	B

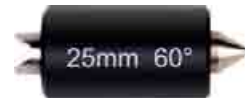
**SERIES 343**

**SCREW THREAD MICROMETER SETTING STANDARD**

◆ For screw thread micrometer (series 333 or 343)

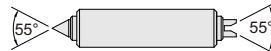


343-001-ST



343-001-ST1

unit: mm



55° thread angle



60° thread angle

Code	Length	Accuracy
343-001-ST	25mm	±3µm
343-002-ST	50mm	±3.5µm
343-003-ST	75mm	±4µm
343-004-ST	100mm	±4.5µm
343-005-ST	125mm	±5µm
343-006-ST	150mm	±5.5µm
343-007-ST	175mm	±6µm
343-008-ST	200mm	±6µm

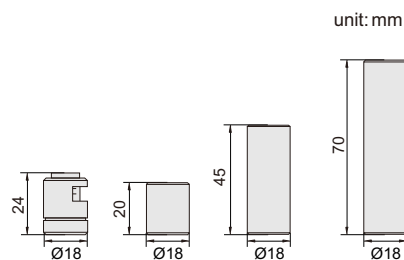
Code	Length	Accuracy
343-001-ST1	25mm	±3µm
343-002-ST1	50mm	±3.5µm
343-003-ST1	75mm	±4µm
343-004-ST1	100mm	±4.5µm
343-005-ST1	125mm	±5µm
343-006-ST1	150mm	±5.5µm
343-007-ST1	175mm	±6µm
343-008-ST1	200mm	±6µm



387

MICROMETER MEASURING FORCE DETECTOR

- ◆ For outside micrometers  
0-25mm, 25-50mm, 50-75mm  
and 75-100mm



Code	Measuring force
387-000-00	5-12N

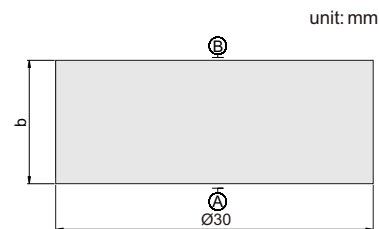
SERIES 551

OPTICAL PARALLEL

- ◆ Check the flatness and parallelism of measuring faces of micrometer
- ◆ Flatness of A and B  $\leq 0.1\mu\text{m}$
- ◆ Parallelism between A and B  $\leq 0.6\mu\text{m}$



551-001-02



MICROMETER

Application



Code	Parallels included
551-001-02	12, 12.12, 12.25, 12.37mm
551-002-02	25, 25.12, 25.25, 25.37mm

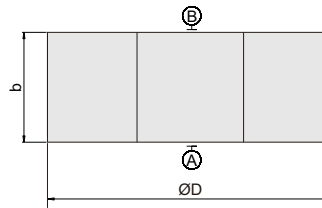
**SERIES 551**

**OPTICAL PARALLELS**



551-001-01

unit: mm



- ◆ Check the flatness and parallelism of measuring faces of micrometer
- ◆ Flatness of A and B: 0.03µm
- ◆ Parallelism between A and B: 0.6µm

Application



Code	Parallels included (b)	ØD	Applicable micrometer
551-001-01	15.62mm, 15.75mm, 15.87mm, 16.00mm	30	0-25mm
551-002-01	40.62mm, 40.75mm, 40.87mm, 41.00mm	30	25-50mm
551-003-01	65.62mm, 65.75mm, 65.87mm, 66.00mm	40	50-75mm
551-004-01	90.62mm, 90.75mm, 90.87mm, 91.00mm	50	75-100mm

**SERIES 553**

**OPTICAL FLAT**

- ◆ Check the flatness of measuring faces



553-045-01

unit: mm



Code	Flatness	Parallels included(h)	ØD
553-045-01	0.1µm	15mm	45
553-060-01	0.1µm	20mm	60



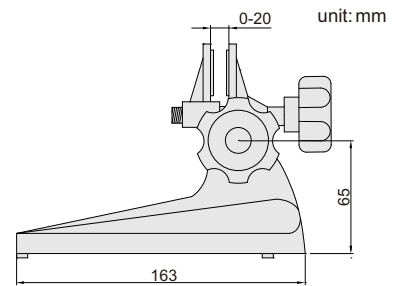
381

MICROMETER STAND

◆ For micrometers which measuring range is less than 100mm



Application



Code

381-000-00

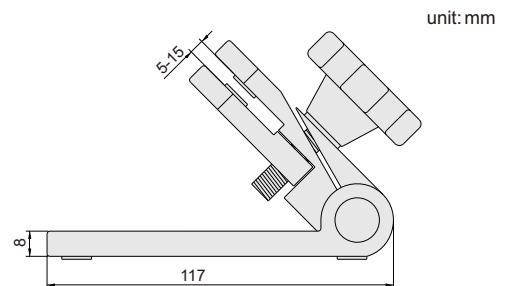
383

MICROMETER STAND

◆ For micrometers which measuring range is less than 100mm



Application



Code

383-000-00