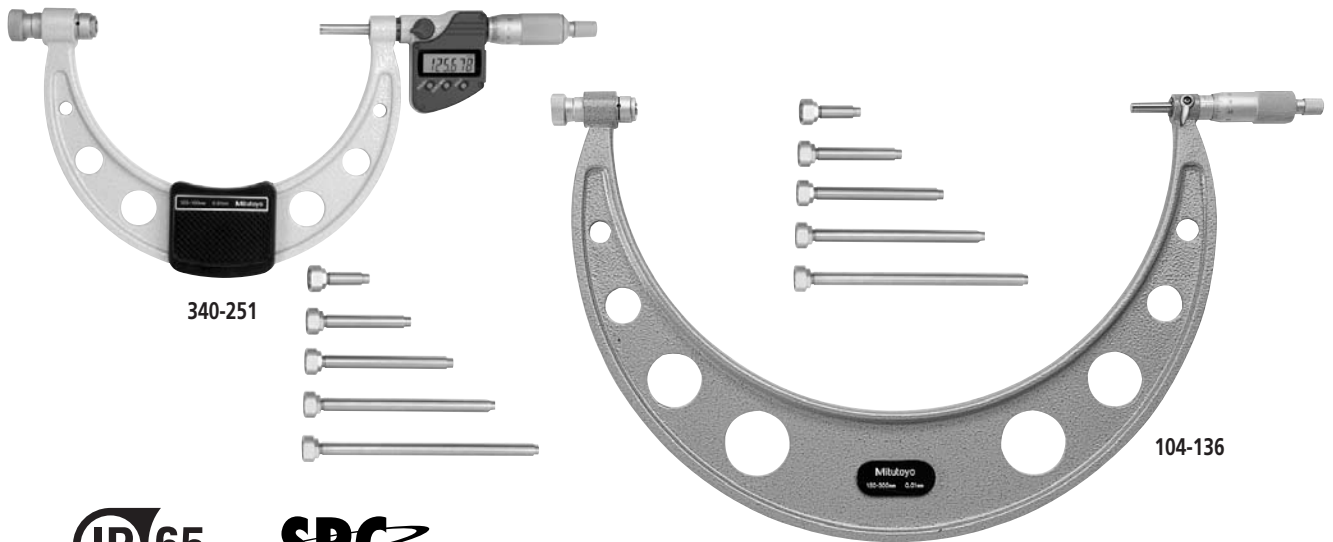


# Outside Micrometers

SERIES 340, 104 — with Interchangeable Anvils



## FEATURES

- IP65 water/dust protection level (340 series\*).
- \*Models with a range up to 300mm (12").
- Wide measuring range with interchangeable anvils.
- Carbide-tipped spindle face.
- Provided with a Ratchet Stop for constant force.
- Supplied with zero-setting standards for each range.
- The 340 series (LCD readout type) is provided with SPC output.

## SPECIFICATIONS

Metric		Digital model	
Range	Order No.	Resolution	Interchangeable anvils
0 - 150mm	<b>340-251</b>	0.001mm	0, 25, 50, 75, 100, 125mm
150 - 300mm	<b>340-252</b>	0.001mm	0, 25, 50, 75, 100, 125mm
300 - 400mm	<b>340-513</b>	0.001mm	0, 25, 50, 75mm
400 - 500mm	<b>340-514</b>	0.001mm	0, 25, 50, 75mm
500 - 600mm	<b>340-515</b>	0.001mm	0, 25, 50, 75mm
600 - 700mm	<b>340-516</b>	0.001mm	0, 25, 50, 75mm
700 - 800mm	<b>340-517</b>	0.001mm	0, 25, 50, 75mm
800 - 900mm	<b>340-518</b>	0.001mm	0, 25, 50, 75mm
900 - 1000mm	<b>340-519</b>	0.001mm	0, 25, 50, 75mm

Inch/Metric		Digital model	
Range	Order No.	Resolution	Interchangeable anvils
0 - 6"	<b>340-351</b>	.00005"/0.001mm	0, 1", 2", 3", 4", 5"
6" - 12"	<b>340-352</b>	.0001"/0.001mm	0, 1", 2", 3", 4", 5"
12" - 18"	<b>340-713</b>	.0001"/0.001mm	0, 1", 2", 3", 4", 5"
18" - 24"	<b>340-714</b>	.0001"/0.001mm	0, 1", 2", 3", 4", 5"
24" - 30"	<b>340-715</b>	.0001"/0.001mm	0, 1", 2", 3", 4", 5"
30" - 36"	<b>340-716</b>	.0001"/0.001mm	0, 1", 2", 3", 4", 5"

### Accuracy

- $\pm(4+L/75)\mu\text{m}$  [ $\pm(.0002+.00005(L/3))$ "]\*
- \*L=Maximum measuring length (mm) [(inch)], Fraction rounded up, Excluding quantizing error (340 series)

### Metric

Range	Order No.	Graduation	Interchangeable anvils
0 - 50mm	<b>104-171*</b>	0.01mm	0, 25mm
0 - 100mm	<b>104-139A</b>	0.01mm	0, 25, 50, 75mm
0 - 150mm	<b>104-135A</b>	0.01mm	0, 25, 50, 75, 100, 125mm
100 - 200mm	<b>104-140A</b>	0.01mm	0, 25, 50, 75mm
150 - 300mm	<b>104-136A</b>	0.01mm	0, 25, 50, 75, 100, 125mm
200 - 300mm	<b>104-141A</b>	0.01mm	0, 25, 50, 75mm
300 - 400mm	<b>104-142A</b>	0.01mm	0, 25, 50, 75mm
400 - 500mm	<b>104-143A</b>	0.01mm	0, 25, 50, 75mm
500 - 600mm	<b>104-144A</b>	0.01mm	0, 25, 50, 75mm
600 - 700mm	<b>104-145A</b>	0.01mm	0, 25, 50, 75mm
700 - 800mm	<b>104-146A</b>	0.01mm	0, 25, 50, 75mm
800 - 900mm	<b>104-147A</b>	0.01mm	0, 25, 50, 75mm
900 - 1000mm	<b>104-148A</b>	0.01mm	0, 25, 50, 75mm

\*The frame in a heat insulating cover

### Inch

Range	Order No.	Graduation	Interchangeable anvils
0 - 2"	<b>104-166</b>	.001"	0, 1"
	<b>104-165</b>	.0001"	0, 1"
0 - 4"	<b>104-149</b>	.001"	0, 1", 2", 3"
0 - 6"	<b>104-137</b>	.001"	0, 1", 2", 3", 4", 5"
6" - 12"	<b>104-138</b>	.001"	0, 1", 2", 3", 4", 5"
12" - 18"	<b>104-201</b>	.001"	0, 1", 2", 3", 4", 5"
18" - 24"	<b>104-202</b>	.001"	0, 1", 2", 3", 4", 5"
24" - 30"	<b>104-203</b>	.001"	0, 1", 2", 3", 4", 5"
30" - 36"	<b>104-204</b>	.001"	0, 1", 2", 3", 4", 5"
36" - 42"	<b>104-205</b>	.001"	0, 1", 2", 3", 4", 5"

Note: .0001" reading is obtained with vernier.

### Measuring faces

- Flatness:
  - 0.6μm (.000024") for models up to 300mm (12")
  - 1μm (.00004") for models over 300mm (12")
- Parallelism:  $(2+L/100)\mu\text{m}$  [ $(.00008+.00004(L/4))$ "]\*\*
- \*\*L=Maximum measuring length (mm) [(inch)], Fraction rounded up