

102. Linear dimension

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Dial/cylinder gauge tester	10206	(0 ~ 100) mm	$\sqrt{0.33^2 + (0.0030 \times l_0)^2} \mu\text{m} (l_0 : \text{mm})$	Gauge block, Electronic micrometer/SRST-CI-10206
Filler gauges	10211	(0 ~ 10) mm	0.22 μm	Measuring machine, standard /SRST-CI-10211
Gap gauges	10213	(0 ~ 300) mm	$\sqrt{2.1^2 + (0.0040 \times l_0)^2} \mu\text{m} (l_0 : \text{mm})$	Height micrometer /SRST-CI-10213
Gauge blocks, by comparison	10214	(0.5 ~ 100) mm	$\sqrt{75^2 + (1.05 \times l_0)^2} \text{nm} (l_0 : \text{mm})$	Gauge block comparator Gauge block/SRST-CI-10214
Height Gauges/measuring machine	10216	(0 ~ 1 000) mm	$\sqrt{1.2^2 + (0.0030 \times l_0)^2} \mu\text{m} (l_0 : \text{mm})$	Gauge block, Long gauge block/SRST-CI-10216
Measuring machines, standard	10220	(0 ~ 1 000) mm	$\sqrt{0.12^2 + (0.0030 \times l_0)^2} \mu\text{m} (l_0 : \text{mm})$	Gauge block, Long gauge block/SRST-CI-10220
Micrometers, electronic	10223	(0 ~ 5) mm	0.13 μm	Gauge block/SRST-CI-10223
Micrometers, height Block Calibration Head Calibration	10224	(0 ~ 600) mm (0 ~ 20) mm	$\sqrt{0.69^2 + (0.0030 \times l_0)^2} \mu\text{m} (l_0 : \text{mm})$ $\sqrt{0.90^2 + (0.0030 \times l_0)^2} \mu\text{m} (l_0 : \text{mm})$	Gauge block, Electronic micrometer/SRST-CI-10224
Plug/pin gauges, cylindrical	10228	\varnothing (0 ~ 300) mm	$\sqrt{0.20^2 + (0.0032 \times l_0)^2} \mu\text{m} (l_0 : \text{mm})$	Standard measuring machine /SRST-CI-10228
Radius gauges	10229	(0.1 ~ 100) mm	2.3 μm	Coordinate measuring machines, non contact/SRST-CI-10229
Ring gauges, cylindrical	10230	\varnothing (1.0 ~ 300) mm	1.2 μm	Standard measuring machine /SRST-CI-10230
Riser blocks	10231	(0 ~ 600) mm	$\sqrt{0.82^2 + (0.0030 \times l_0)^2} \mu\text{m} (l_0 : \text{mm})$	Long gage block/SRST-CI-10231
Step gauges/Caliper tester	10234	(0 ~ 1 010) mm	$\sqrt{0.83^2 + (0.0030 \times l_0)^2} \mu\text{m} (l_0 : \text{mm})$	gauge block, Electronic micrometer/SRST-CI-10234
Thickness gauges, ultrasonic	10236	(0 ~ 200) mm	6.8 μm	Ultrasonic test block /SRST-CI-10236
Thickness specimens	10237	(0 ~ 10) mm	0.21 μm	Standard measuring machine /SRST-CI-10237
Thickness testers, coating	10238	(0 ~ 1.5) mm	2.1 μm	Thickness specimens /SRST-CI-10238
Ultrasonic test blocks	10241	(0 ~ 200) mm	$\sqrt{0.90^2 + (0.0029 \times l_0)^2} \mu\text{m} (l_0 : \text{mm})$	Gauge block/SRST-CI-10241