

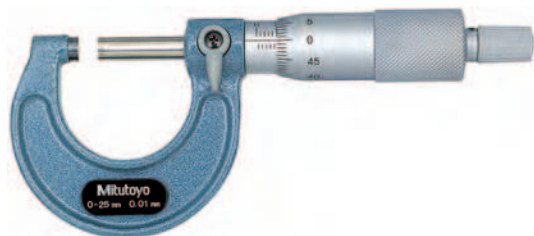
# Outside Micrometer

## Series 103

- Lightweight workshop design.



Only for 0-25 and 25-50 mm



103-137

### Metric Graduation 0,001 mm

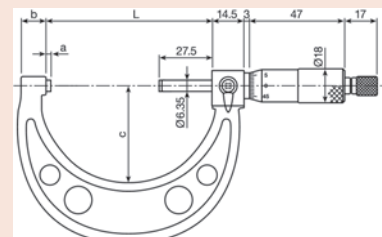
No.	Range	Accuracy	L mm	a mm	b mm	c mm	d mm	Mass g
103-129	0-25 mm	±2 μm	30.3	2.8	9	28	6.35	175
103-130	25-50 mm	±2 μm	55.3	2.8	10	38	6.35	215

### Metric Graduation 0,01 mm

No.	Range	Accuracy	L mm	a mm	b mm	c mm	d mm	Mass g
103-137	0-25 mm	±2 μm	30.3	2.8	9	28	6.35	175
103-138	25-50 mm	±2 μm	55.3	2.8	10	38	6.35	215
103-139-10	50-75 mm	±2 μm	80.3	2.8	12	46	6.35	315
103-140-10	75-100 mm	±3 μm	105.3	2.8	14	57	6.35	375
103-141-10	100-125 mm	±3 μm	132.8	5.3	17	76	6.35	515
103-142-10	125-150 mm	±3 μm	158.2	5.7	19	90	6.35	665
103-143-10	150-175 mm	±4 μm	183.6	6.1	20	102	6.35	720
103-144-10	175-200 mm	±4 μm	208.8	6.3	19	115	6.35	920
103-145-10	200-225 mm	±4 μm	234.2	6.7	18	127	6.35	1080
103-146-10	225-250 mm	±5 μm	258	5.5	18	139	6.35	1255
103-147-10	250-275 mm	±5 μm	284	6.5	18	152	6.35	1405
103-148-10	275-300 mm	±5 μm	309	6.5	18	166	6.35	1565
103-149	300-325 mm	±6 μm	353	18	28	187	8	1985
103-150	325-350 mm	±6 μm	378	18	28	199	8	2155
103-151	350-375 mm	±6 μm	403	18	28	212	8	2305
103-152	375-400 mm	±7 μm	428	18	28	224	8	2455
103-153	400-425 mm	±7 μm	453	18	28	236	8	2715
103-154	425-450 mm	±7 μm	478	18	28	248	8	2965
103-155	450-475 mm	±8 μm	503	18	28	261	8	3215
103-156	475-500 mm	±8 μm	528	18	28	273	8	3450
103-157	500-525 mm	±9 μm	575	40	28	307	8	4060
103-158	525-550 mm	±9 μm	575	15	28	307	8	4080
103-159	550-575 mm	±9 μm	625	40	28	332	8	4500
103-160	575-600 mm	±9 μm	625	15	28	332	8	4525
103-161	600-625 mm	±9 μm	675	40	28	355	8	4915
103-162	625-650 mm	±9 μm	675	15	28	355	8	4930
103-163	650-675 mm	±9 μm	725	40	28	382	8	5200
103-164	675-700 mm	±9 μm	725	15	28	382	8	5215
103-165	700-725 mm	±9 μm	775	40	28	405	8	5835
103-166	725-750 mm	±9 μm	775	15	28	405	8	5860
103-167	750-775 mm	±9 μm	825	40	28	430	8	6385
103-168	775-800 mm	±9 μm	825	15	28	430	8	6410
103-169	800-825 mm	±9 μm	875	40	28	455	8	6925
103-170	825-850 mm	±9 μm	875	15	28	455	8	6940
103-171	850-875 mm	±9 μm	925	40	28	480	8	7565
103-172	875-900 mm	±9 μm	925	15	28	480	8	7590
103-173	900-925 mm	±9 μm	975	40	28	505	8	8215
103-174	925-950 mm	±9 μm	975	15	28	505	8	8240
103-175	950-975 mm	±9 μm	1,025	40	28	530	8	8860
103-176	975-1000 mm	±9 μm	1,025	15	28	530	8	8880

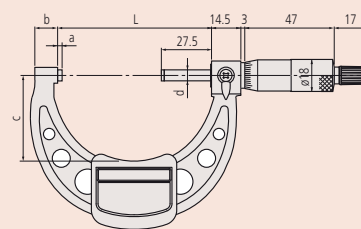
## Specifications

Accuracy	Refer to the list of specifications
Graduation	0,01 mm, 0,001 mm (103-129/103-130)
Scales	Thimble and sleeve satin chrome finish
Flatness	0,6 μm for models up to 300 mm 1 μm for models over 300 mm
Parallelism	(2+L/100) μm, L = max. range (mm)
Measuring surfaces	Carbide tipped, micro-lap finish
Frame	Enamelled
Measuring spindle	with spindle lock, 0.5 mm pitch
Delivered	Including box, setting standard (from 25 mm upward), key
Measuring force	5-10 N (from 100 mm upward : 5-15 N)

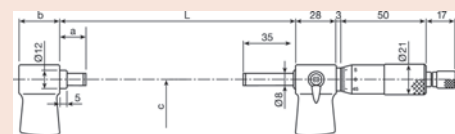


Models up to 75 mm

mm



Models 75 mm to 300 mm with insulating plate



Models over 300 mm