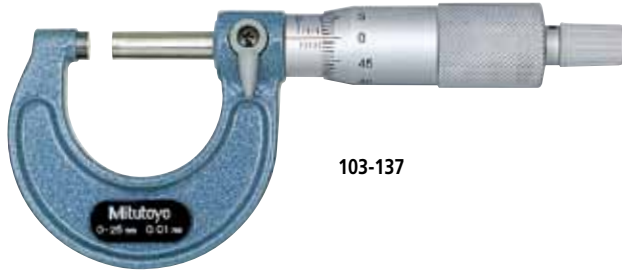


# Micrometers

## SERIES 103 – Economy Micrometer

- Baked-enamel-finished frame.
- Measuring faces: Carbide.
- Equipped with Ratchet Stop for constant measuring force.



103-137

### Technical Data

Flatness: 0.6  $\mu\text{m}$  / .000024" for models up to 300 mm / 12", 1  $\mu\text{m}$  / 00004" for models over 300 mm / 12"

Parallelism\*: (2+R/100)  $\mu\text{m}$  / [.00008+.00004 (R/4)]"

\* R = max. range (mm/inch)  
Note: Fractions rounded down

### SPECIFICATIONS

Metric				
Code No.	Range	Graduation	Accuracy	Price
With ratchet stop				
103-137	0-25 mm	0.01 mm	$\pm 2 \mu\text{m}$	£40.40
103-129		0.001 mm		£46.40
103-138	25-50 mm	0.01 mm		£54.20
103-130		0.001 mm		£60.20
103-139-10	50-75 mm			£71.40
103-140-10	75-100 mm			£80.10
103-141-10	100-125 mm			£87.30
103-142-10	125-150 mm			£97.70
103-143-10	150-175 mm			£107.00
103-144-10	175-200 mm			£122.00
103-145-10	200-225 mm			£133.00
103-146-10	225-250 mm			£136.00
103-147-10	250-275 mm			£144.00
103-148-10	275-300 mm			£158.00
103-149	300-325 mm		£196.00	
103-150	325-350 mm		£207.00	
103-151	350-375 mm		£218.00	
103-152	375-400 mm		£236.00	
103-153	400-425 mm		£242.00	
103-154	425-450 mm		£250.00	
103-155	450-475 mm		£268.00	
103-156	475-500 mm		£278.00	
103-157	500-525 mm		£296.00	
103-158	525-550 mm	0.01 mm	$\pm 3 \mu\text{m}$	£311.00
103-159	550-575 mm			£333.00
103-160	575-600 mm			£355.00
103-161	600-625 mm			£520.00
103-162	625-650 mm			£540.00
103-163	650-675 mm			£570.00
103-164	675-700 mm			£600.00
103-165	700-725 mm			£630.00
103-166	725-750 mm			£650.00
103-167	750-775 mm			£680.00
103-168	775-800 mm			£700.00
103-169	800-825 mm			£730.00
103-170	825-850 mm			£750.00
103-171	850-875 mm			£780.00
103-172	875-900 mm	£800.00		
103-173	900-925 mm	£830.00		
103-174	925-950 mm	£860.00		
103-175	950-975 mm	£890.00		
103-176	975-1000 mm	£910.00		

Inch				
Code No.	Range	Graduation	Accuracy	Price
With ratchet stop				
103-177	0-1"	.001"	$\pm 0.0001"$	£40.40
103-131		.0001"		£46.40
103-178	1-2"	.001"		£54.20
103-132		.0001"		£60.20
103-179	2-3"			£71.40
103-180	3-4"			£80.10
103-181	4-5"			£87.30
103-182	5-6"			£97.70
103-183	6-7"			£107.00
103-184	7-8"			£122.00
103-185	8-9"			£133.00
103-186	9-10"			£136.00
103-187	10-11"			£144.00
103-188	11-12"			£158.00
103-189	12-13"		£196.00	
103-190	13-14"		£207.00	
103-191	14-15"		£218.00	
103-192	15-16"		£236.00	
103-193	16-17"		£242.00	
103-194	17-18"		£250.00	
103-195	18-19"		£268.00	
103-196	19-20"		£278.00	
103-197	20-21"		£296.00	
103-198	21-22"	.001"	$\pm 0.00015"$	£311.00
103-199	22-23"			£333.00
103-200	23-24"			£355.00
103-201	24-25"			£520.00
103-202	25-26"			£540.00
103-203	26-27"			£570.00
103-204	27-28"			£600.00
103-205	28-29"			£630.00
103-206	29-30"			£650.00
103-207	30-31"			£680.00
103-208	31-32"			£700.00
103-209	32-33"			£730.00
103-210	33-34"			£750.00
103-211	34-35"			£780.00
103-212	35-36"	£800.00		
103-213	36-37"	£830.00		
103-214	37-38"	£860.00		
103-215	38-39"	£890.00		
103-216	39-40"	£910.00		

With friction thimble				
Code No.	Range	Graduation	Accuracy	Price
103-135	0-1"	.001"*	$\pm 0.0001"$	£55.00
103-136	1-2"			£80.00

\*.0001 reading is obtained with vernier,

## SET SPECIFICATIONS

Metric			
Code No.	Range	Models included	Price
103-927-10	0-75 mm (3 pcs./set)	103-137, 103-138, 103-139-10, 2 micrometer setting standards	£203.00
103-913-50	0-150 mm (6 pcs./set)	103-137, 103-138, 103-139-10, 103-140-10, 103-141-10, 103-142-10, 5 micrometer setting standards	£480.00
103-915-10	150-300 mm (6 pcs./set)	103-143-10, 103-144-10, 103-145-10, 103-146-10, 103-147-10, 103-148-10, 6 micrometer setting standards	£977.00
103-914-50	0-300 mm (12 pcs./set)	All micrometers in 103-913-50 and 103-915-10 in one set, 11 micrometer setting standards	£1390.00

Inch			
Code No.	Range	Models included	Price
103-929	0-3" (3 pcs./set)	103-177, 103-178, 103-179, 2 micrometer setting standards	£203.00
103-904-10	0-6" (6 pcs./set)	103-177, 103-178, 103-179, 103-180, 103-181, 103-182, 5 micrometer setting standards	£480.00
103-906	6-12" (6 pcs./set)	103-183, 103-184, 103-185, 103-186, 103-187, 103-188, 6 micrometer setting standards	£977.00
103-905-10	0-12" (12 pcs./set)	All micrometers in 103-904-10 and 103-906 in one set, 11 micrometer setting standards	£1390.00

## DIMENSIONS

Range	L	a	b	c	
0-25 mm	30	2.5	9	28	
25-50 mm	55		10	38	
50-75 mm	80		12	46	
75-100 mm	105		14	57	
100-125 mm	132.8	5.3	16.7	76	
125-150 mm	158.2	5.7	18.8	90	
150-175 mm	183.6	6.1	19.1	102	
175-200 mm	208.8	6.3	18.2	115	
200-225 mm	234.2	6.7	16.8	127	
225-250 mm	258	5.5	18	139	
250-275 mm	284	6.5	18	152	
275-300 mm	309			166	
300-325 mm	353	18	28	187	
325-350 mm	378			199	
350-375 mm	403			212	
375-400 mm	428			224	
400-425 mm	453			236	
425-450 mm	478			248	
450-475 mm	503			261	
475-500 mm	528			273	
500-525 mm	575			40	307
525-550 mm				15	
550-575 mm	625	40	332		
575-600 mm		15			
600-625 mm	675	40	355		
625-650 mm		15			
650-675 mm	725	40	382		
675-700 mm		15			
700-725 mm	775	40	405		
725-750 mm		15			
750-775 mm	825	40	430		
775-800 mm		15			
800-825 mm	875	40	455		
825-850 mm		15			
850-875 mm	925	40	480		
875-900 mm		15			
900-925 mm	975	40	505		
925-950 mm		15			
950-975 mm	1025	40	530		
975-1000 mm		15			

