

Micrometers

SERIES 103 – Economy Micrometer

- Baked-enamel-finished frame.
- Equipped with Ratchet Stop for constant measuring force.
- Measuring faces: carbide.
- Setting standard included on models measuring above 25 mm / 1" maximum measuring range.



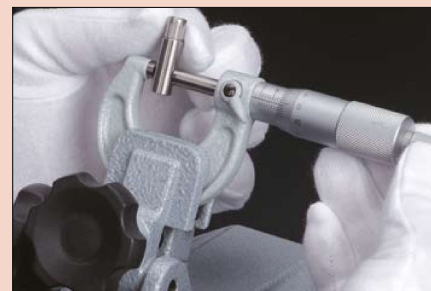
103-137

Specifications

Metric					
Code No.	Range (mm)	Graduation	Max. permissible error J_{MPE}	Parallelism	Price
With ratchet stop					
103-137	0 - 25	0.01 mm	$\pm 2 \mu m$	2 μm	£55.20
103-129		0.001 mm			£63.50
103-138	25 - 50	0.01 mm	$\pm 2 \mu m$	2 μm	£74.10
103-130		0.001 mm			£82.20
103-139-10	50 - 75	0.01 mm	$\pm 2 \mu m$	2 μm	£97.60
103-140-10	75 - 100				£110.00
103-141-10	100 - 125		$\pm 3 \mu m$	3 μm	£122.00
103-142-10	125 - 150				£135.00
103-143-10	150 - 175		$\pm 4 \mu m$	4 μm	£147.00
103-144-10	175 - 200				£169.00
103-145-10	200 - 225		$\pm 5 \mu m$	4 μm	£182.00
103-146-10	225 - 250				£208.00
103-147-10	250 - 275		$\pm 5 \mu m$	4 μm	£220.00
103-148-10	275 - 300				£231.00
103-149	300 - 325		$\pm 6 \mu m$	5 μm	£277.00
103-150	325 - 350				£300.00
103-151	350 - 375		$\pm 6 \mu m$	5 μm	£323.00
103-152	375 - 400				£358.00
103-153	400 - 425		$\pm 7 \mu m$	6 μm	£392.00
103-154	425 - 450				£415.00
103-155	450 - 475		$\pm 8 \mu m$	6 μm	£450.00
103-156	475 - 500				£484.00
103-157	500 - 525		$\pm 8 \mu m$	7 μm	£530.00
103-158	525 - 550				£565.00
103-159	550 - 575		$\pm 9 \mu m$	7 μm	£588.00
103-160	575 - 600				£611.00
103-161	600 - 625		$\pm 10 \mu m$	8 μm	£710.00
103-162	625 - 650				£737.00
103-163	650 - 675		$\pm 10 \mu m$	8 μm	£779.00
103-164	675 - 700				£806.00
103-165	700 - 725		$\pm 11 \mu m$	9 μm	£835.00
103-166	725 - 750				£847.00
103-167	750 - 775		$\pm 12 \mu m$	9 μm	£929.00
103-168	775 - 800				£956.00
103-169	800 - 825		$\pm 12 \mu m$	10 μm	£998.00
103-170	825 - 850				£1030.00
103-171	850 - 875		$\pm 13 \mu m$	10 μm	£1070.00
103-172	875 - 900				£1100.00
103-173	900 - 925		$\pm 14 \mu m$	11 μm	£1140.00
103-174	925 - 950				£1190.00
103-175	950 - 975		$\pm 14 \mu m$	11 μm	£1240.00
103-176	975 - 1000				£1270.00

Technical Data

Flatness: 0.6 μm / .000024" for models up to 300 mm / 12", 1 μm / 0.00004" for models over 300 mm / 12"



Inch							
Code No.	Range	Graduation	Max. permissible error J_{MPE}	Parallelism	Price		
With ratchet stop							
103-177	0 - 1"	.001"	$\pm .0001$ "	0.00008"	£55.20		
103-131		.0001"			£63.50		
103-178	1 - 2"	.001"			£74.10		
103-132		.0001"			£82.20		
103-179	2 - 3"	.001"	$\pm .00015$ "	0.00012"	£97.60		
103-180	3 - 4"				£110.00		
103-181	4 - 5"				£122.00		
103-182	5 - 6"				£135.00		
103-183	6 - 7"		$\pm .0002$ "	0.00016"	£147.00		
103-184	7 - 8"				£169.00		
103-185	8 - 9"				£182.00		
103-186	9 - 10"				£208.00		
103-187	10 - 11"		$\pm .00025$ "	0.00016"	£220.00		
103-188	11 - 12"				£231.00		
103-189	12 - 13"				£277.00		
103-190	13 - 14"				£300.00		
103-191	14 - 15"		$\pm .0003$ "	0.0002"	£323.00		
103-192	15 - 16"				£358.00		
103-193	16 - 17"				£392.00		
103-194	17 - 18"				£415.00		
103-195	18 - 19"		$\pm .0004$ "	0.00024"	£450.00		
103-196	19 - 20"				£484.00		
103-197	20 - 21"				£530.00		
103-198	21 - 22"				£565.00		
103-199	22 - 23"		$\pm .00045$ "	0.00028"	£588.00		
103-200	23 - 24"				£611.00		
103-201	24 - 25"				£710.00		
103-202	25 - 26"				£737.00		
103-203	26 - 27"		$\pm .0005$ "	0.00032"	£779.00		
103-204	27 - 28"				£806.00		
103-205	28 - 29"				£835.00		
103-206	29 - 30"				£847.00		
103-207	30 - 31"		$\pm .00055$ "	0.00036"	£893.00		
103-208	31 - 32"				£956.00		
103-209	32 - 33"				£979.00		
103-210	33 - 34"				£998.00		
103-211	34 - 35"		$\pm .0006$ "	0.0004"	£1040.00		
103-212	35 - 36"				£1060.00		
103-213	36 - 37"				£1090.00		
103-214	37 - 38"				£1100.00		
103-215	38 - 39"		$\pm .00065$ "	0.00044"	£1140.00		
103-216	39 - 40"				£1180.00		
With friction thimble							
103-135	0 - 1"	.001" * ¹			$\pm .0001$ "	0.00008"	£73.60
103-136	1 - 2"		£106.00				

*¹ .0001 reading is obtained with vernier.

Micrometers

SERIES 103 – Economy Micrometer

Set Specifications

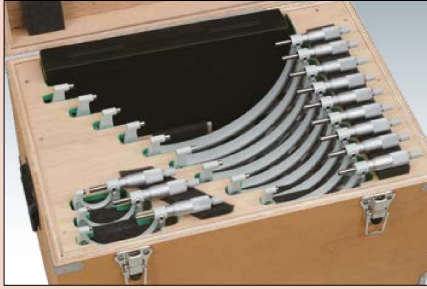
Metric			
Code No.	Range	Models included	Price
103-927-10	0 - 75 mm (3 pcs./set)	103-137, 103-138, 103-139-10, 2 micrometer setting standards	£280.00
103-913-50	0 - 150 mm (6 pcs./set)	103-137, 103-138, 103-139-10, 103-140-10, 103-141-10, 103-142-10, 5 micrometer setting standards	£636.00
103-915-10	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	£1350.00
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	£1910.00

Inch			
Code No.	Range	Models included	Price
103-929	0 - 3" (3 pcs./set)	103-177, 103-178, 103-179, 2 micrometer setting standards	£280.00
103-904-10	0 - 6" (6 pcs./set)	103-177, 103-178, 103-179, 103-180, 103-181, 103-182, 5 micrometer setting standards	£656.00
103-906	6 - 12" (6 pcs./set)	103-183, 103-184, 103-185, 103-186, 103-187, 103-188, 6 micrometer setting standards	£1350.00
103-905-10	0 - 12" (12 pcs./set)	All micrometers in 103-904-10 and 103-906 in one set, 11 micrometer setting standards	£1910.00

B



103-904-10



103-905-10

Range	L	a	b	c
0-25 mm	0	2.5	9	28
25-50 mm	25		10	38
50-75 mm	50		12	49
75-100 mm	75		14	60
100-125 mm	100	5.3	16.7	79
125-150 mm	125	5.7	18.8	94
150-175 mm	150	6.1	19.1	106
175-200 mm	175	6.3	18.2	118
200-225 mm	200	6.7	16.8	130
225-250 mm	225	5.5	18	143
250-275 mm	250	6.5		156
275-300 mm	275			169
300-325 mm	300			187
325-350 mm	325	18	28	199
350-375 mm	350			212
375-400 mm	375			224
400-425 mm	400			236
425-450 mm	425			248
450-475 mm	450			261
475-500 mm	475			273
500-525 mm	500			40
525-550 mm	525	15		
550-575 mm	550	40	332	
575-600 mm	575	15		
600-625 mm	600	40	355	
625-650 mm	625	15		
650-675 mm	650	40		
675-700 mm	675	15	382	
700-725 mm	700	40		
725-750 mm	725	15	405	
750-775 mm	750	40		
775-800 mm	775	15	430	
800-825 mm	800	40		
825-850 mm	825	15	455	
850-875 mm	850	40		
875-900 mm	875	15		
900-925 mm	900	40	480	
925-950 mm	925	15		
950-975 mm	950	40		
975-1000 mm	975	15	530	

Dimensions

