

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.



103-138

Specifications

Metric				
Code No.	Range	Graduation	Accuracy	Price
With ratchet stop				
103-137	0 - 25 mm	0.01 mm	±2 μm	
103-129		0.001 mm		
103-138	25 - 50 mm	0.01 mm		
103-130		0.001 mm		
103-139-10	50 - 75 mm	0.01 mm	±3 μm	
103-140-10	75 - 100 mm			
103-141-10	100 - 125 mm			
103-142-10	125 - 150 mm			
103-143-10	150 - 175 mm		±4 μm	
103-144-10	175 - 200 mm			
103-145-10	200 - 225 mm			
103-146-10	225 - 250 mm			
103-147-10	250 - 275 mm	0.01 mm	±5 μm	
103-148-10	275 - 300 mm			
103-149	300 - 325 mm	0.01 mm	±6 μm	
103-150	325 - 350 mm			
103-151	350 - 375 mm			
103-152	375 - 400 mm			
103-153	400 - 425 mm	0.01 mm	±7 μm	
103-154	425 - 450 mm			
103-155	450 - 475 mm			
103-156	475 - 500 mm			
103-157	500 - 525 mm	0.01 mm	±8 μm	
103-158	525 - 550 mm			
103-159	550 - 575 mm			
103-160	575 - 600 mm			
103-161	600 - 625 mm	0.01 mm	±10 μm	
103-162	625 - 650 mm			
103-163	650 - 675 mm			
103-164	675 - 700 mm			
103-165	700 - 725 mm	0.01 mm	±11 μm	
103-166	725 - 750 mm			
103-167	750 - 775 mm			
103-168	775 - 800 mm			
103-169	800 - 825 mm	0.01 mm	±12 μm	
103-170	825 - 850 mm			
103-171	850 - 875 mm			
103-172	875 - 900 mm			
103-173	900 - 925 mm	0.01 mm	±13 μm	
103-174	925 - 950 mm			
103-175	950 - 975 mm			
103-176	975 - 1000 mm			

Inch				
Code No.	Range	Graduation	Accuracy	
With ratchet stop				
103-177	0 - 1"	.001"	±.0001"	
103-131		.0001"		
103-178	1 - 2"	.001"		
103-132		.0001"		
103-179	2 - 3"	.001"	±.00015"	
103-180	3 - 4"			
103-181	4 - 5"			
103-182	5 - 6"			
103-183	6 - 7"		±.0002"	
103-184	7 - 8"			
103-185	8 - 9"			
103-186	9 - 10"			
103-187	10 - 11"		±.00025"	
103-188	11 - 12"			
103-189	12 - 13"			
103-190	13 - 14"			
103-191	14 - 15"		±.0003"	
103-192	15 - 16"			
103-193	16 - 17"			
103-194	17 - 18"			
103-195	18 - 19"		±.00035"	
103-196	19 - 20"			
103-197	20 - 21"			
103-198	21 - 22"			
103-199	22 - 23"		±.0004"	
103-200	23 - 24"			
103-201	24 - 25"			
103-202	25 - 26"			
103-203	26 - 27"	±.00045"		
103-204	27 - 28"			
103-205	28 - 29"			
103-206	29 - 30"			
103-207	30 - 31"	±.0005"		
103-208	31 - 32"			
103-209	32 - 33"			
103-210	33 - 34"			
103-211	34 - 35"	±.00055"		
103-212	35 - 36"			
103-213	36 - 37"			
103-214	37 - 38"			
103-215	38 - 39"	±.0006"		
103-216	39 - 40"			
With friction thimble				
103-135	0 - 1"	.001" *	±.0001"	
103-136	1 - 2"			

*¹.0001 reading is obtained with vernier.

Technical Data

Flatness: 0.6 μm / .000024" for models up to 300 mm / 12", 1 μm / .00004" for models over 300 mm / 12"

Parallelism*²: (2+R/100) μm / [.00008+.00004 (R/4)]"

*² R = max. range (mm/inch)

Note: Fractions rounded down



103-904-10



103-905-10



103-906

