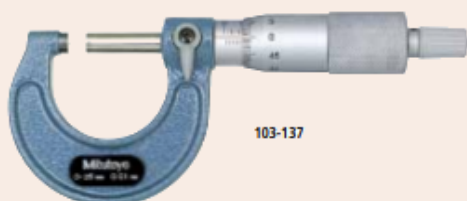


Micrometers

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

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

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

SPECIFICATIONS

Metric			
Code No.	Range	Graduation	Accuracy
With ratchet stop			
103-137	0-25 mm	0.01 mm	$\pm 2 \mu\text{m}$
103-129		0.001 mm	
103-138	25-50 mm	0.01 mm	$\pm 2 \mu\text{m}$
103-130		0.001 mm	
103-139-10	50-75 mm	0.01 mm	$\pm 3 \mu\text{m}$
103-140-10	75-100 mm		
103-141-10	100-125 mm		
103-142-10	125-150 mm		
103-143-10	150-175 mm	0.01 mm	$\pm 4 \mu\text{m}$
103-144-10	175-200 mm		
103-145-10	200-225 mm	0.01 mm	$\pm 5 \mu\text{m}$
103-146-10	225-250 mm		
103-147-10	250-275 mm	0.01 mm	$\pm 6 \mu\text{m}$
103-148-10	275-300 mm		
103-149	300-325 mm	0.01 mm	$\pm 7 \mu\text{m}$
103-150	325-350 mm		
103-151	350-375 mm	0.01 mm	$\pm 8 \mu\text{m}$
103-152	375-400 mm		
103-153	400-425 mm	0.01 mm	$\pm 9 \mu\text{m}$
103-154	425-450 mm		
103-155	450-475 mm	0.01 mm	$\pm 10 \mu\text{m}$
103-156	475-500 mm		
103-157	500-525 mm	0.01 mm	$\pm 11 \mu\text{m}$
103-158	525-550 mm		
103-159	550-575 mm	0.01 mm	$\pm 12 \mu\text{m}$
103-160	575-600 mm		
103-161	600-625 mm	0.01 mm	$\pm 13 \mu\text{m}$
103-162	625-650 mm		
103-163	650-675 mm	0.01 mm	$\pm 14 \mu\text{m}$
103-164	675-700 mm		
103-165	700-725 mm	0.01 mm	$\pm 15 \mu\text{m}$
103-166	725-750 mm		
103-167	750-775 mm	0.01 mm	$\pm 16 \mu\text{m}$
103-168	775-800 mm		
103-169	800-825 mm	0.01 mm	$\pm 17 \mu\text{m}$
103-170	825-850 mm		
103-171	850-875 mm	0.01 mm	$\pm 18 \mu\text{m}$
103-172	875-900 mm		
103-173	900-925 mm	0.01 mm	$\pm 19 \mu\text{m}$
103-174	925-950 mm		
103-175	950-975 mm	0.01 mm	$\pm 20 \mu\text{m}$
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"	.001"	±.0002"
103-184	7-8"		
103-185	8-9"	.001"	±.00025"
103-186	9-10"		
103-187	10-11"	.001"	±.0003"
103-188	11-12"		
103-189	12-13"	.001"	±.00035"
103-190	13-14"		
103-191	14-15"	.001"	±.0004"
103-192	15-16"		
103-193	16-17"	.001"	±.00045"
103-194	17-18"		
103-195	18-19"	.001"	±.0005"
103-196	19-20"		
103-197	20-21"	.001"	±.00055"
103-198	21-22"		
103-199	22-23"	.001"	±.0006"
103-200	23-24"		
103-201	24-25"	.001"	±.00065"
103-202	25-26"		
103-203	26-27"	.001"	±.0007"
103-204	27-28"		
103-205	28-29"	.001"	±.00075"
103-206	29-30"		
103-207	30-31"	.001"	±.0008"
103-208	31-32"		
103-209	32-33"	.001"	±.00085"
103-210	33-34"		
103-211	34-35"	.001"	±.0009"
103-212	35-36"		
103-213	36-37"	.001"	±.00095"
103-214	37-38"		
103-215	38-39"	.001"	±.001"
103-216	39-40"		
With friction thimble			
103-135	0-1"	.001"	±.0001"
103-136	1-2"	.001"	±.0001"

* .0001 reading is obtained with vernier.