Outside Micrometers
SERIES 104 — with Interchangeable Anvils

- Wide measuring range with interchangeable anvils.
- Measuring face of the spindle is carbide tipped (standard model).
- Equipped with Ratchet Stop for constant measuring force.



104-136

SPECIFICATIONS

Metric

Code No.	Range (mm)	Graduation (mm)	Spindle feed error (µm)	Flatnessr (µm)	Parallelism (µm)	Interchangeable anvils	Setting Standard Qty	Setting Standard Size (mm)	Micrometer head stroke (mm)
Analog									
104-171*	0 - 50	0.01	3	0.6	2	1 pc.	1	25	25
104-139A	0 - 100				3	4 pcs.	3	25 - 75	
104-135A	0 - 150					6 pcs.	5	25 - 125	
104-161A	50 - 150					4 pcs.	4	50 - 125	
104-140A	100 - 200				4			100 - 175	
104-136A	150 - 300				5	6 pcs.	6	150 - 275	
104-141A	200 - 300					4 pcs.	4	200 - 275	
104-142A	300 - 400			1.0	6			300 - 375	
104-143A	400 - 500				7			400 - 475	
104-144A	500 - 600				8			500 - 575	
104-145A	600 - 700				9			600 - 675	
104-146A	700 - 800				10			700 - 775	
104-147A	800 - 900				11			800 - 875	
104-148A	900 - 1000				12			900 - 975	

Inch

Code No.	Range (in)	Graduation (in)	Spindle feed error (in)	Flatness (in)	Parallelism (in)	Interchangeable anvils	Setting Standard Qty	Setting Standard Size (in)	Micrometer head stroke (in)
Analog									
104-165	0 - 2	0.0001	0.00015	0.000024	0.00008	1 pc.	1	1	1
104-149	0 - 4	0.001			0.00012	4 pcs.	3	1 - 3	
104-137	0 - 6					6 pcs.	5	1 - 5	
104-162	2 - 6					4 pcs.	4	2 - 5	
104-150	4 - 8				0.00016			4 - 7	
104-138	6 - 12				0.0002	6 pcs.	6	6 - 11	
104-151	8 - 12					4 pcs.	4	8 - 11	
104-152	12 - 16			0.00004	0.00024			12 - 15	
104-201	12 - 18					6 pcs.	6	12 - 17	
104-153	16 - 20				0.00028	4 pcs.	4	16 - 19	
104-202	18 - 24				0.00032	6 pcs.	6	18 - 23	
104-154	20 - 24					4 pcs.	4	20 - 23	
104-155	24 - 28				0.00036			24 - 27	
104-203	24 - 30					6 pcs.	6	24 - 29	
104-156	28 - 32				0.0004	4 pcs.	4	28 - 31	
104-204	30 - 36				0.00044	6 pcs.	6	30 - 35	
104-157	32 - 36					4 pcs.	4	32 - 35	
104-158	36 - 40				0.00048			36 - 39	
104-205	36 - 42					6 pcs.	6	36 - 41	

* The frame is fitted with a heat shield.

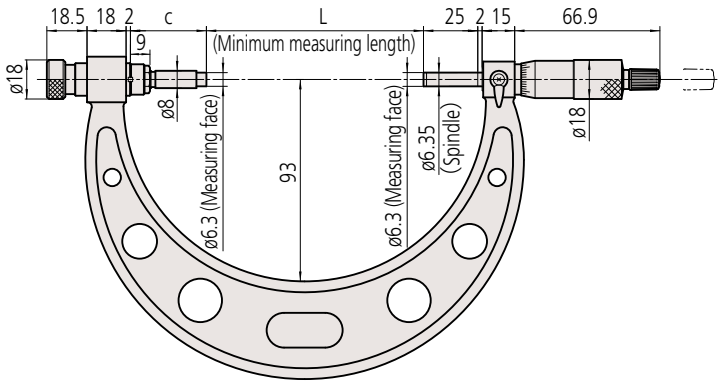
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Outside Micrometers
SERIES 104 — with Interchangeable Anvils

DIMENSIONS

Unit: mm

104-135A



Interchangeable Anvil

		L: Range (mm)					
Range	0 - 150 mm models	0 - 25	25 - 50	50 - 75	75 - 100	100 - 125	125 - 150
Range	150 - 300 mm models	150 - 175	175 - 200	200 - 225	225 - 250	250 - 275	275 - 300
	Code No.	**303950**	**303951**	**303952**	**303953**	**303954**	**303955**
	c: Overall length (mm)	135	110	85	60	35	10
	Interchangeable anvil	M1	M2	M3	M4	M5	M6

		L: Range (mm)			
Range	300 - 400 mm models	300 - 325	325 - 350	350 - 375	375 - 400
Range	400 - 500 mm models	400 - 425	425 - 450	450 - 475	475 - 500
Range	500 - 600 mm models	500 - 525	525 - 550	550 - 575	575 - 600
Range	600 - 700 mm models	600 - 625	625 - 650	650 - 675	675 - 700
Range	700 - 800 mm models	700 - 725	725 - 750	750 - 775	775 - 800
Range	800 - 900 mm models	800 - 825	825 - 850	850 - 875	875 - 900
Range	900 - 1000 mm models	900 - 925	925 - 950	950 - 975	975 - 1000
	Code No.	**304001**	**304002**	**304003**	**304004**
	c: Overall length (mm)	87	62	37	12
	Interchangeable anvil	M3	M4	M5	M6

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