Outside Micrometers
SERIES 105 — with Anvil Extension Collars

- Adjustable measuring range with extension collars.
- 50 mm/2 in spindle stroke.
- Measuring faces: Carbide tipped
- Equipped with Ratchet Stop for constant measuring force.



105-105

Extension collar



Measuring range 700 to 750 mm with **105-105**



Measuring range 750 to 800 mm with **105-105**

SPECIFICATIONS

Metric

Code No.	Range (mm)	Graduation (mm)	Extension Collars	Setting Standard	Spindle feed error (µm)	Flatness (µm)	Parallelism (µm)
105-103	500 - 600	0.01	1 pc. (50 mm)	2 pcs.	6	1.3	8
105-104	600 - 700						9
105-105	700 - 800						10
105-106	800 - 900						11
105-107	900 - 1000						12

- Standard Accessories: Spanner (**200154**), 1 pc.

Mitutoyo reserves the right to change any or all aspects of any product specification, including prices, designs and service content, without notice.

Outside Micrometers
SERIES 105 — with Anvil Extension Collars

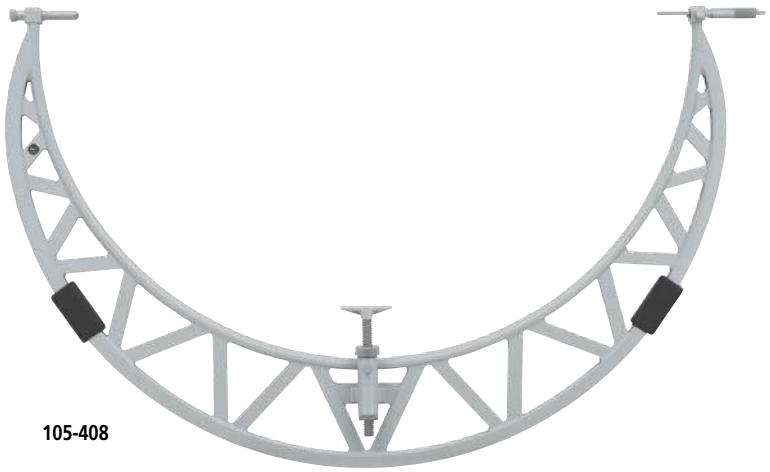
- Square and round pipes are combined to create a lightweight, rigid frame.
- Wide measuring range with anvil extension collars.
- 50 mm/2 in spindle stroke.
- Includes workpiece stopper.
- Measuring faces: Carbide tipped
- Equipped with Ratchet Stop for constant measuring force.

Measurement example









105-408

SPECIFICATIONS

Metric

Code No.	Range (mm)	Graduation (mm)	Extension Collars	Setting Standard (pcs.)	Spindle feed error (µm)	Flatness (µm)	Parallelism (µm)
(every 100 mm)							
105-408	1000 - 1100	0.01	1 pc. (50 mm)	2	6	1.3	13
105-409	1100 - 1200						14
105-410	1200 - 1300						15
105-411	1300 - 1400						16
105-412	1400 - 1500						17
105-413	1500 - 1600						18
105-414	1600 - 1700						19
105-415	1700 - 1800						20
105-416	1800 - 1900						21
105-417	1900 - 2000						22
(every 200 mm)							
105-418	1000 - 1200	0.01	2 pcs. (50 mm, 100 mm)	4 (every 50 mm)	6	1.3	14
105-419	1200 - 1400						16
105-420	1400 - 1600						18
105-421	1600 - 1800						20
105-422	1800 - 2000						22

Inch

Code No.	Range (in)	Graduation (in)	Extension Collars	Setting Standard (pcs.)	Spindle feed error (in)	Flatness (in)	Parallelism (in)
105-428	40 - 44	0.001	1 pc. (2 in)	2	0.0003	0.000052	0.00052
105-429	44 - 48						0.00056
105-430	48 - 52						0.00060
105-431	52 - 56						0.00064
105-432	56 - 60						0.00068
105-433	60 - 64						0.00072
105-434	64 - 68						0.00076
105-435	68 - 72						0.00080
105-436	72 - 76						0.00084
105-437	76 - 80						0.00088

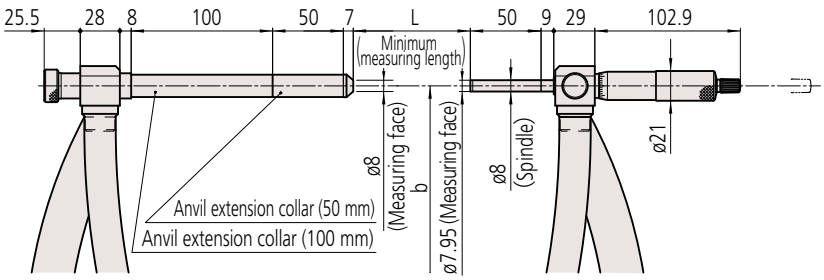
• Standard Accessories: Spanner (**200154**), 1 pc.

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DIMENSIONS

Over 1200 mm up to 2000 mm

Unit: mm



b: distance to workpiece stop

Range (mm)	L	b
1000 - 1200	1000	500 - 600
1200 - 1400	1200	600 - 700
1400 - 1600	1400	700 - 800
1600 - 1800	1600	800 - 900
1800 - 2000	1800	900 - 1000

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