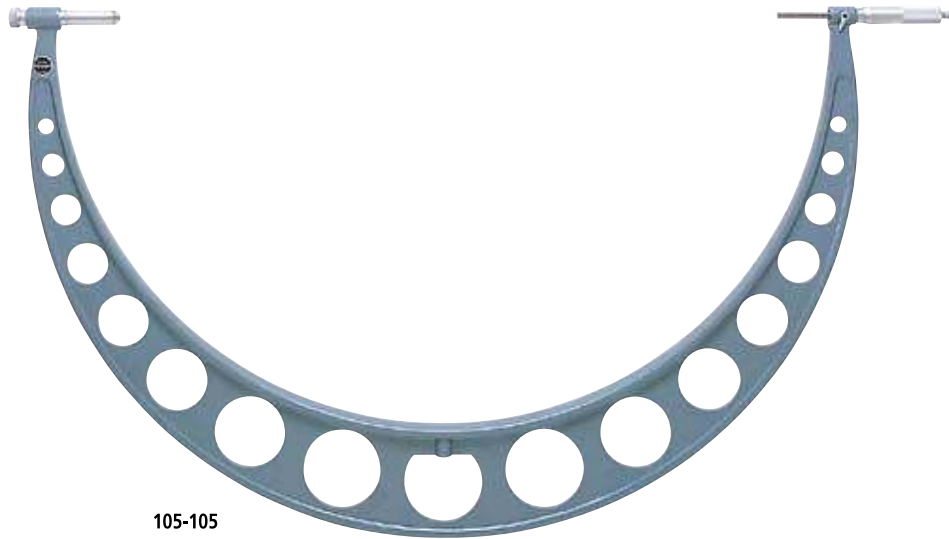


Micrometer

The origin of Mitutoyo's trustworthy brand of small tool instruments

Outside micrometers SERIES 105 — with Anvil Extension Collars

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



SPECIFICATIONS

Metric				
Order No.	Range	Graduation	Extension Collars	Setting Standard
105-103	500 - 600mm	0.01mm	1 pc (50mm)	2 pcs.
105-104	600 - 700mm			
105-105	700 - 800mm			
105-106	800 - 900mm			
105-107	900 - 1000mm			

Technical Data

Flatness: 1.3µm
 Parallelism:
 $(2 + R/100)\mu\text{m}$, R = max. range (mm)
 fraction rounded down
 Accuracy:
 $\pm(6+R/75)\mu\text{m}$, R = max. range (mm)
 fraction rounded up

Anvil Extension Collar



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



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

Technical Data

Flatness: 1.3µm/.000052"

Parallelism:

(2 + R/100)µm, R = max. Range (mm)

[.00008" + .00004(R/4)]", R = max. Range (inch)
fraction rounded down

Accuracy:

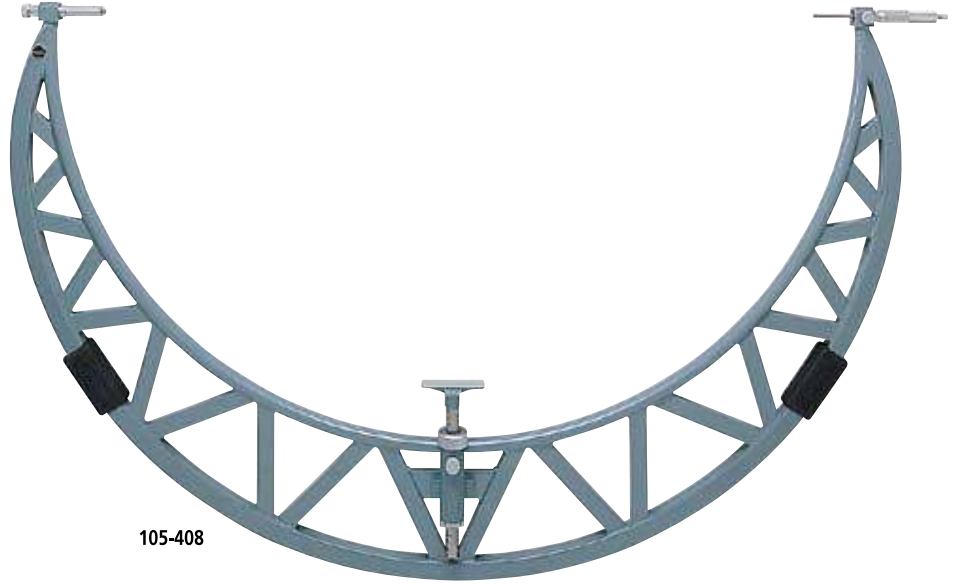
±(6+R/75)µm, R = max. Range (mm)

±[.0003" + .00005"(R/3)]", R = max. range (inch)
fraction rounded up



Outside micrometers SERIES 105 — with Anvil Extension Collars

- Wide measuring range with anvil extension collars
- 50mm/2" spindle stroke
- Measuring faces: Carbide
- Equipped with Ratchet Stop for constant measuring force.



105-408

SPECIFICATIONS

Metric				
Order No.	Range	Graduation	Extension Collars	Setting Standard (pcs)
(every 100mm)				
105-408	1000 - 1100mm	0.01mm	1 pc (50mm)	2
105-409	1100 - 1200mm			
105-410	1200 - 1300mm			
105-411	1300 - 1400mm			
105-412	1400 - 1500mm			
105-413	1500 - 1600mm			
105-414	1600 - 1700mm			
105-415	1700 - 1800mm			
105-416	1800 - 1900mm			
105-417	1900 - 2000mm			
(every 200mm)				
105-418	1000 - 1200mm	0.01mm	2 pcs (50mm, 100mm)	4
105-419	1200 - 1400mm			
105-420	1400 - 1600mm			
105-421	1600 - 1800mm			
105-422	1800 - 2000mm			

Inch				
Order No.	Range	Graduation	Extension Collars	Setting Standard (pcs)
105-428	40" - 44"	.001"	1 pc (2")	2
105-429	44" - 48"			
105-430	48" - 52"			
105-431	52" - 56"			
105-432	56" - 60"			
105-433	60" - 64"			
105-434	64" - 68"			
105-435	68" - 72"			
105-436	72" - 76"			
105-437	76" - 80"			

DIMENSIONS

Over 1200mm up to 2000mm Unit: mm

Range	b	d
1000 - 1200mm	500 - 600	1225
1200 - 1400mm	600 - 700	1425
1400 - 1600mm	700 - 800	1625
1600 - 1800mm	800 - 900	1825
1800 - 2000mm	900 - 1000	2025

a: distance to workpiece stop