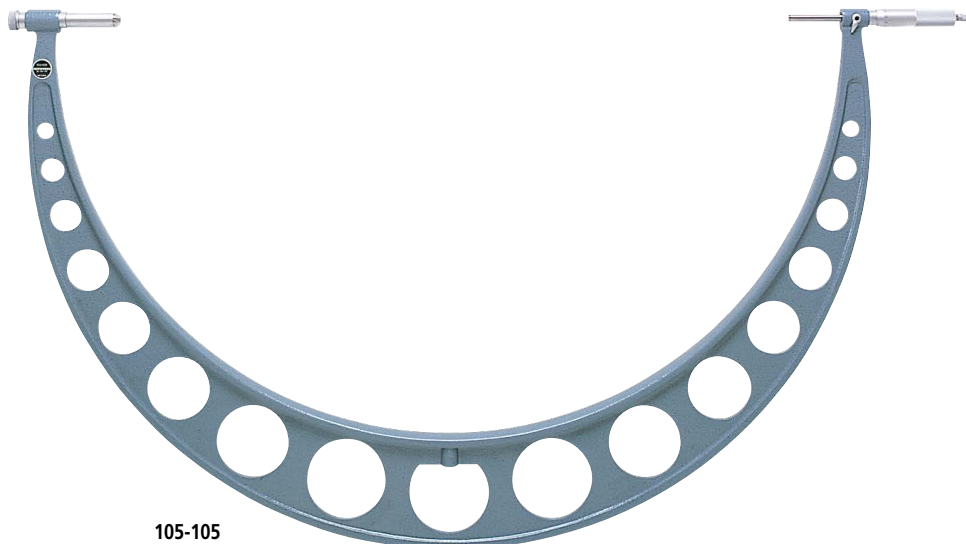


Micrometer

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



105-105

SPECIFICATIONS

| Metric | | | | | | | |
|-----------|------------|-----------------|-------------------|------------------|-------------------------|---------------|--|
| Order No. | Range (mm) | Graduation (mm) | Extension Collars | Setting Standard | Spindle feed error (μm) | Flatness (μm) | Parallelism |
| 105-103 | 500 - 600 | 0.01 | 1 pc. (50 mm) | 2 pcs. | 6 | 1.3 | (2 + R/100) μm R=max. range (mm) fraction rounded down |
| 105-104 | 600 - 700 | | | | | | |
| 105-105 | 700 - 800 | | | | | | |
| 105-106 | 800 - 900 | | | | | | |
| 105-107 | 900 - 1000 | | | | | | |

Technical Data



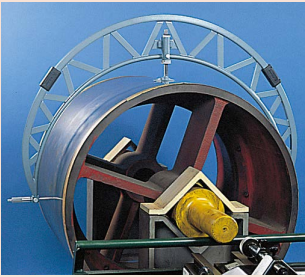
Measuring range 700 to 750 mm with **105-105**



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

Standard Accessories

Spanner (**200154**), 1 pc.

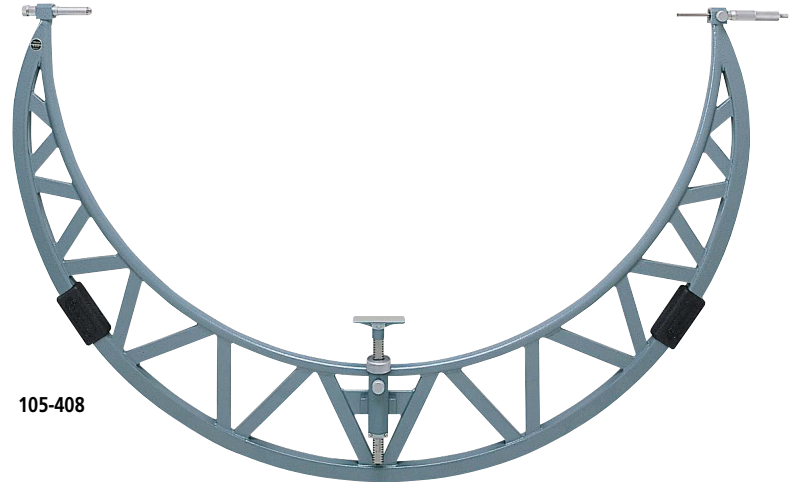


Standard Accessories

Spanner (200154), 1 pc.

Outside Micrometers SERIES 105 — with Anvil Extension Collars

- Large, lightweight micrometer with excellent strength based on a pipe-structure frame made of a combination of square and round pipes.
- Wide measuring range with anvil extension collars.
- 50 mm/2 in spindle stroke.
- Measuring faces: Carbide.
- Equipped with Ratchet Stop for constant measuring force.



SPECIFICATIONS

| Metric | | | | | | | |
|----------------|-------------|-----------------|------------------------------|-------------------------|-------------------------|---------------|---|
| Order 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 | 2+R/100 R=max. range (mm) fraction rounded down |
| 105-409 | 1100 - 1200 | | | | | | |
| 105-410 | 1200 - 1300 | | | | | | |
| 105-411 | 1300 - 1400 | | | | | | |
| 105-412 | 1400 - 1500 | | | | | | |
| 105-413 | 1500 - 1600 | | | | | | |
| 105-414 | 1600 - 1700 | | | | | | |
| 105-415 | 1700 - 1800 | | | | | | |
| 105-416 | 1800 - 1900 | | | | | | |
| 105-417 | 1900 - 2000 | | | | | | |
| (every 200 mm) | | | | | | | |
| 105-418 | 1000 - 1200 | 0.01 | 2 pcs. (50 mm, 100 mm) | 4 (every 50 mm) | 6 | 1.3 | 2+R/100 R=max. range (mm) fraction rounded down |
| 105-419 | 1200 - 1400 | | | | | | |
| 105-420 | 1400 - 1600 | | | | | | |
| 105-421 | 1600 - 1800 | | | | | | |
| 105-422 | 1800 - 2000 | | | | | | |

| Inch | | | | | | | |
|-----------|------------|-----------------|-------------------|-------------------------|-------------------------|---------------|--|
| Order 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 | 0.00008+ 0.00004 (R/4) R=max. range (inch) fraction rounded down |
| 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

