# Micrometer Heads with Non-Rotating Spindle

**Series 110 - Differential screw translator (Extra-fine feed) type**

This is a differential screw translator (extra-fine feed) type of micrometer head.
It offers you the following benefits:

- Micrometer head with ultra-fine rate of travel.
- With its non-rotating spindle it is particularly suited to fine adjustments.
- The differential travel mechanism with double spindle enables ultra-sensitive travel



110-101



110-102



110-105-10



110-106-10



110-107-10



110-108-10



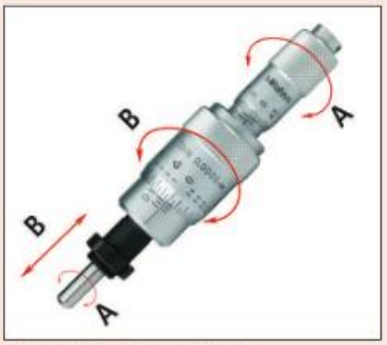
110-502-10

**Specifications**

| | |
|---|---|
| Measuring face | Carbide-tipped |



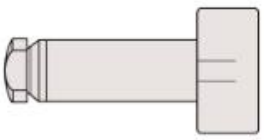
**Version with non-rotating spindle**



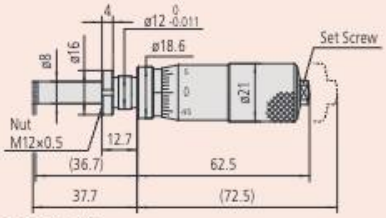

**Version with rotating spindle**
**110-502-10**

Metric

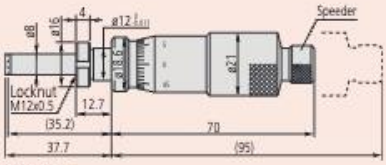
| No. | Range [mm] | Graduation | Max. Permissible Error E MPE | Spindle end | Stem Ø [mm] | Stem | Fixture thickness for clamp nut [mm] | Special features | Mass [g] |
|---|---|---|---|---|---|---|---|---|---|
| 110-101 | 0 - 2,5 | 0,001 mm | ±5 µm / ±1,5 µm | Flat | 12 | w/ clamp nut | 9,5 | | 150 |
| 110-102 | 0 - 2,5 | 0,0001 mm | ±5 µm / ±1,5 µm | Flat | 12 | w/ clamp nut | 9,5 | Fine Graduation | 150 |
| 110-105-10 | 0 - 1 | 0,001 mm | ±3 µm / ±1,5 µm | Flat | 12 | w/ clamp nut | 9,5 | | 150 |
| 110-106-10 | 0 - 1 | 0,0001 mm | ±3 µm / ±1,5 µm | Flat | 12 | w/ clamp nut | 9,5 | Fine Graduation | 150 |
| 110-107-10 | 0 - 1 | 0,001 mm | ±3 µm / ±1,5 µm | Spherical (SR10) | 12 | w/ clamp nut | 9,5 | | 150 |
| 110-108-10 | 0 - 1 | 0,0001 mm | ±3 µm / ±1,5 µm | Spherical (SR10) | 12 | w/ clamp nut | 9,5 | Fine Graduation | 150 |
| 110-502-10 | 0 - 13 | A: 0,01 mm / B: 0,0005 mm | ±3 µm / ±1,5 µm | Spherical (SR3) | 9,5 | w/ clamp nut | 11,5 | Range A: 0-13 mm, Range B: 0-0,2 mm | 100 |



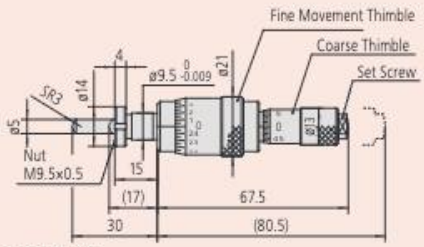
**110-107-10**
**110-108-10**




**110-105-10**
**110-106-10**




**110-101**
**110-102**




**110-502-10**
**(): with spindle full retracted**



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Product illustrations are without obligation. Product descriptions, in particular any and all technical specifications, are only binding when explicitly agreed upon.