

Micrometer Heads 13 mm Range Small Standard Type

Series 148 - Small standard type

This is a standard, small-sized micrometer head which offers you the following benefits:

- Plain stem and a flat or spherical spindle end
- Hardened steel measuring surface



148-104-10



148-103-10



148-801-10



148-802-10



148-121-10



148-120-10

Metric

No.	Range [mm]	Graduation	Max. Permissible Error J MPE	Spindle end	Spindle pitch [mm]	Stem Ø [mm]	Stem	Fixture thickness for clamp nut [mm]	Special features	Mass [g]
148-104-10	0 - 13	0,01 mm	±2 µm	Flat	0,5	9,5	Plain			30
148-103-10	0 - 13	0,01 mm	±2 µm	Flat	0,5	9,5	w/ clamp nut	6		35
148-801-10	0 - 13	0,01 mm	±2 µm	Spherical (SR4)	0,5	9,5	Plain			30
148-802-10	0 - 13	0,01 mm	±2 µm	Spherical (SR4)	0,5	9,5	w/ clamp nut	6		35
148-821-10	0 - 13	0,01 mm	±2 µm	Flat	0,5	9,5	Plain		Reverse reading	30
148-822-10	0 - 13	0,01 mm	±2 µm	Flat	0,5	9,5	w/ clamp nut	6	Reverse reading	35

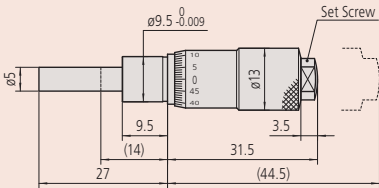
Metric

With spindle lock

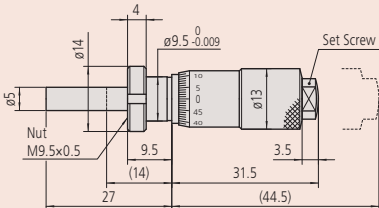
No.	Range [mm]	Graduation	Max. Permissible Error J MPE	Spindle end	Spindle pitch [mm]	Stem Ø [mm]	Stem	Fixture thickness for clamp nut [mm]	Special features	Mass [g]
148-121-10	0 - 13	0,01 mm	±2 µm	Flat	0,5	9,5	Plain			40
148-120-10	0 - 13	0,01 mm	±2 µm	Flat	0,5	9,5	w/ clamp nut	6		45
148-803-10	0 - 13	0,01 mm	±2 µm	Spherical (SR4)	0,5	9,5	Plain			40
148-804-10	0 - 13	0,01 mm	±2 µm	Spherical (SR4)	0,5	9,5	w/ clamp nut	6		45
148-823-10	0 - 13	0,01 mm	±2 µm	Flat	0,5	9,5	Plain		Reverse reading	40
148-824-10	0 - 13	0,01 mm	±2 µm	Flat	0,5	9,5	w/ clamp nut	6	Reverse reading	45

Specifications

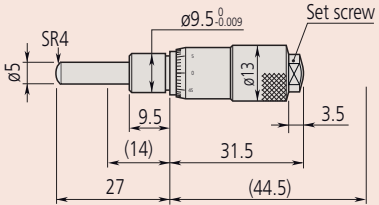
Measuring face Hardened steel (>60 HRC)



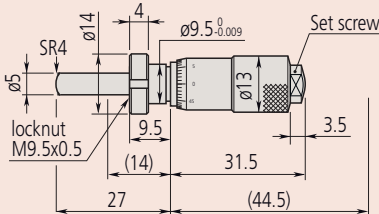
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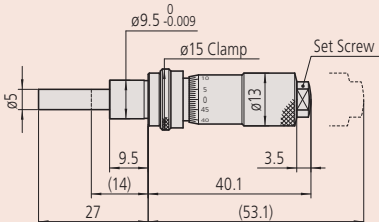
148-103-10



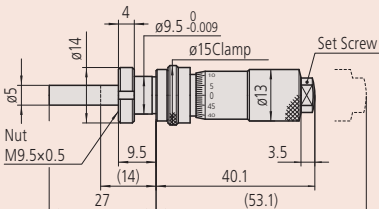
148-801-10



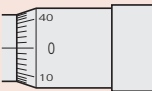
148-802-10



148-121-10



148-120-10



148-821-10 / 148-822-10
148-823-10 / 148-824-10
Reverse reading