

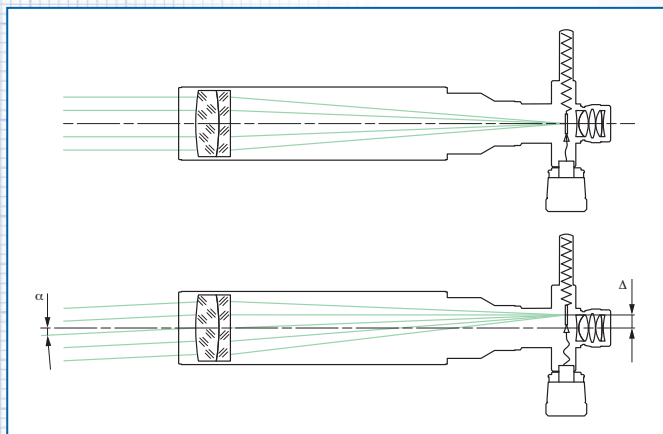
TESTING TELESCOPES

STRAIGHT VIEWING – WITH DOUBLE MICROMETER

Description:

For a general description of the operating principle of testing telescopes see page 20.

Testing telescopes with mechanical double micrometer allow the measurement of deflection angles in two directions. The movement of the eyepiece reticle in x- and y-direction in the image plane can be read from the scale of the micrometer drums. The scale division (SD) is 5 μm .



Application examples

(additional collimator required):

- Measurement of deflection angles
- Parallelism measurement of uncoated flats

Notes on ordering:

- Testing telescope eyepiece is commonly $f=14,7$ mm but can be equipped with eyepieces $f=25$ mm or $f=10$ mm on request.
- One reticle and one eyepiece are included in the standard instrument.
- If not specified otherwise, the testing telescope is adjusted to infinity at 546 nm wavelength. Adjustment to other distances or wavelengths is also possible on demand.
- The nomenclature of the testing telescopes with straight viewing and mechanical double micrometer is as follows:

Example:

F G 50/ 40/ 14,7 MD

Testing telescope

Straight viewing

Focal length

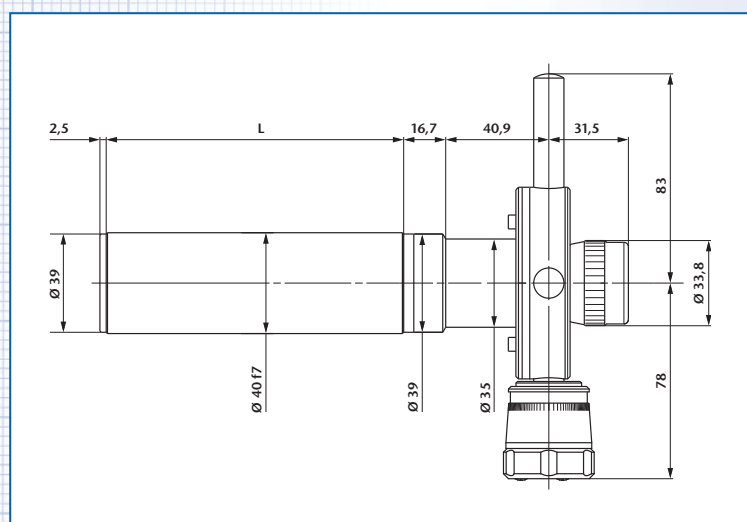
Tube diameter

Eyepiece focal length

Double micrometer

Important:

Please specify reticle (see page 82) when ordering.



Ord.-No.	Description	Focal length	Free aperture	Meas. range	SD	L
227 161	FG 50/40/14,7 MD	50	10	3,2°	20,0"	65
227 162	FG 90/40/14,7 MD	90	16	2,0°	11,5"	65
227 163	FG 140/40/14,7 MD	140	28	1,2°	7,5"	118
227 164	FG 200/40/14,7 MD	200	28	0,8°	5,0"	173
227 165	FG 300/40/14,7 MD	300	28	0,6°	3,5"	274
227 166	FG 500/40/14,7 MD	500	28	0,4°	2,0"	474

