

TESTING TELESCOPES

60°-VIEWING/60°-VIEWING WITH DOUBLE MICROMETER

Description:

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

The basic function and design of testing telescopes with 60°-viewing is the same as of testing telescopes with 90°-viewing. The testing telescopes with 60° viewing contain a folding mirror (see following figure). The image appears upright but laterally reversed. This kind of testing telescopes is used for horizontally set-ups because the 60°-viewing is more ergonomic.

The testing telescopes with 60° viewing (figure A) are available also with mechanical micrometer (figure B) and digital double micrometers (figure C).

The scale division (SD) of the mechanical micrometer drum is 5 µm. For a general description of the operating principle of testing telescopes with double micrometers see page 28 and 30 respectively.

Fig. A

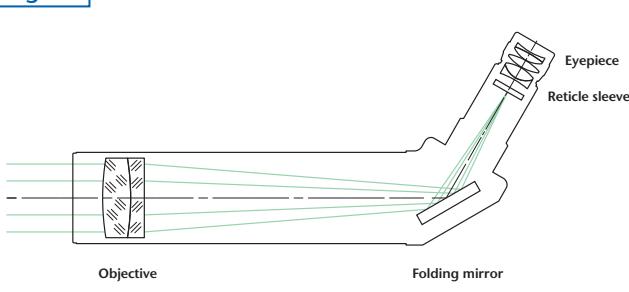


Fig. B

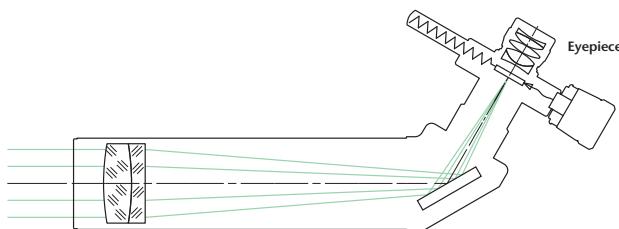
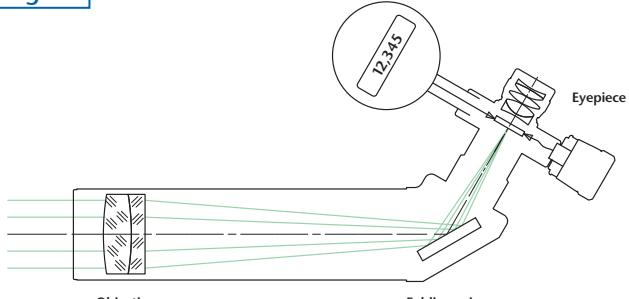


Fig. C



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.
- When ordering a telescope with digital double micrometer please specify the unit of display of the digital gauges (mm, arcsec, milliradians).
- The nomenclature of the testing telescopes with 60°-viewing and 60° viewing with double micrometer respectively is as follows:

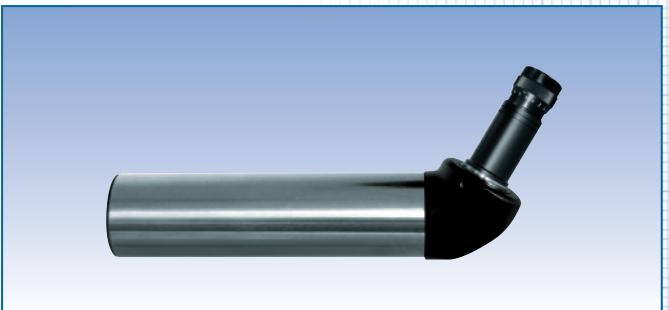
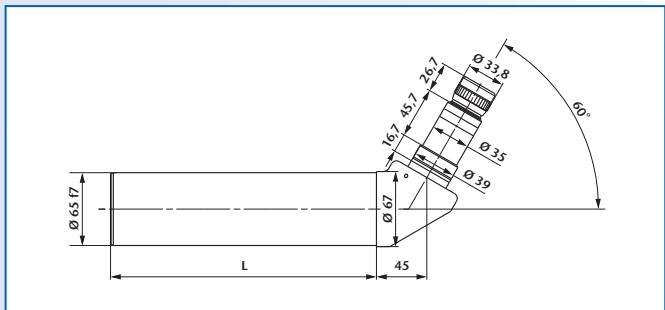
Example:

F	W	300/	65/	14,7	MD
Testing telescope					
60° viewing					
Focal length					
Tube diameter					
Eyepiece focal length					
Double micrometer					
Digital double micrometer					

Important:

Please specify reticle (see page 82) when ordering.

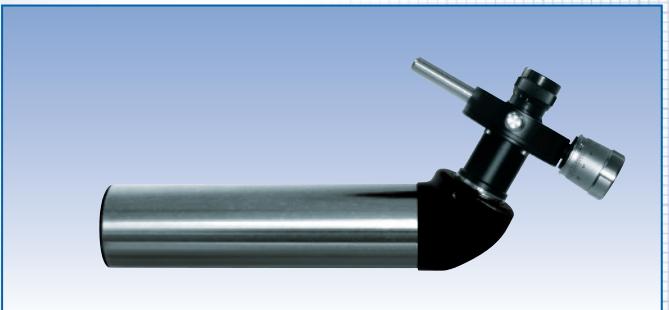
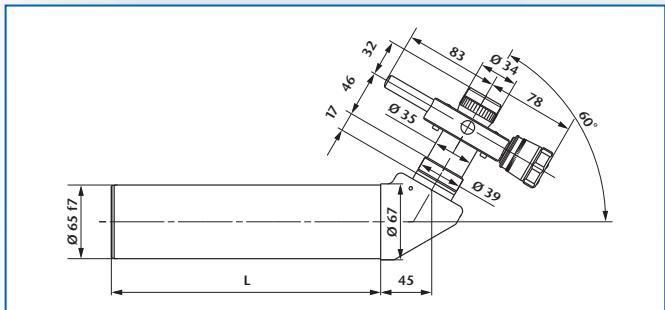
60°-VIEWING



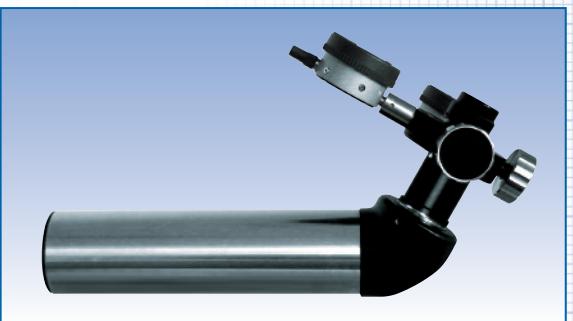
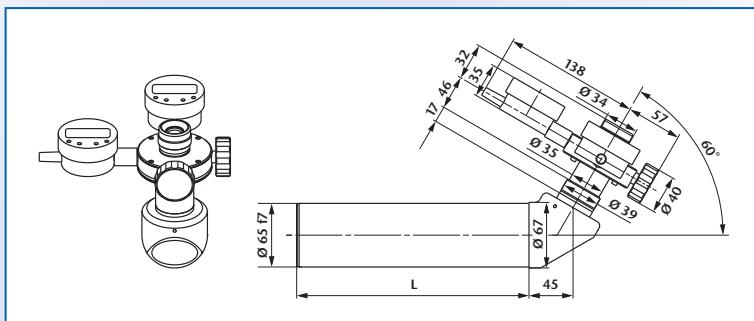
Ord.-No.	Description	Focal length	Free aperture	Field of view	L
227 067	FW 300/65/14,7	300	50	2,0°	233
227 068	FW 500/65/14,7	500	50	1,0°	415
227 069	FW 500T/65/14,7	500	50	1,0°	233



60°-VIEWING WITH DOUBLE MICROMETER



Ord.-No.	Description	Focal length	Free aperture	Meas. range	SD	L
227 177	FW 300/65/14,7 MD	300	50	0,6°	3,5"	233
227 178	FW 500/65/14,7 MD	500	50	0,4°	2,0"	415
227 179	FW 500T/65/14,7 MD	500	50	0,4°	2,0"	233



Ord.-No.	Description	Focal length	Free aperture	Meas. range	Resolution	L
227 217	FW 300/65/14,7 MDD	300	50	0,6°	1,0"	233
227 218	FW 500/65/14,7 MDD	500	50	0,4°	0,5"	415
227 219	FW 500T/65/14,7 MDD	500	50	0,4°	0,5"	233

