The goniometer eyepiece (15× compensated eyepiece) is used for angular measurements. Instead of a micrometer, the glass plate behind the collector lens carries a circle, divided into 360°. The eyelens mount can be turned, whereas the one of the collector lens can be fixed at given rotation angles by means of a clamping screw on the tube. When turning the eyelens, a reticle cross in the field of view rotates over the fixed scale of angles. Reading is to one half of a degree, while fifths can still be estimated.

	Key number
15× goniometer eyepiece (fig. 7)	5670

Fig. 7. Goniometer eyepiece.

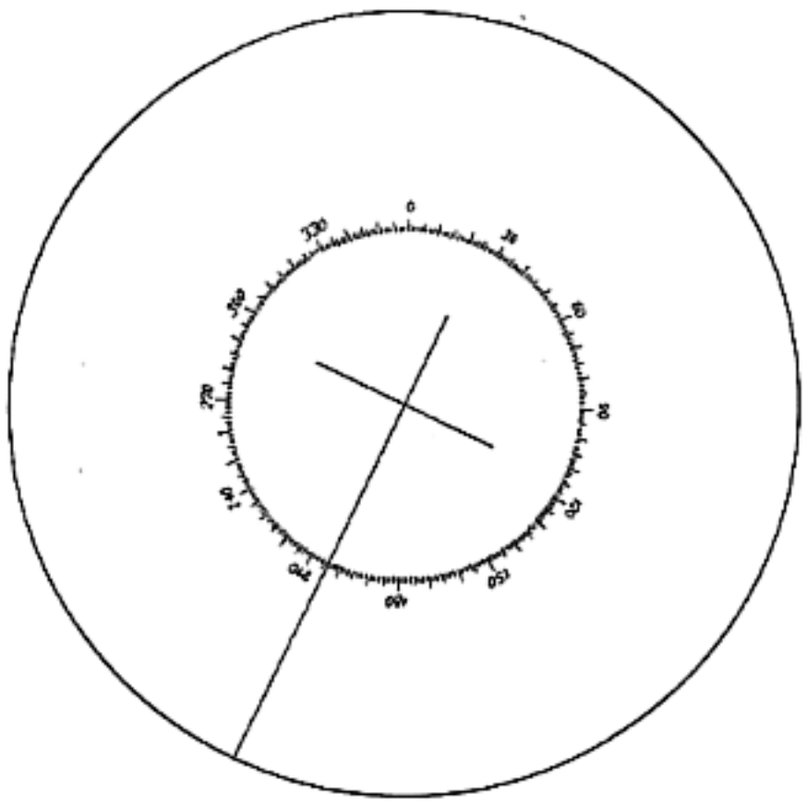

Fig. 8. Field of view of the 15× goniometer eyepiece.

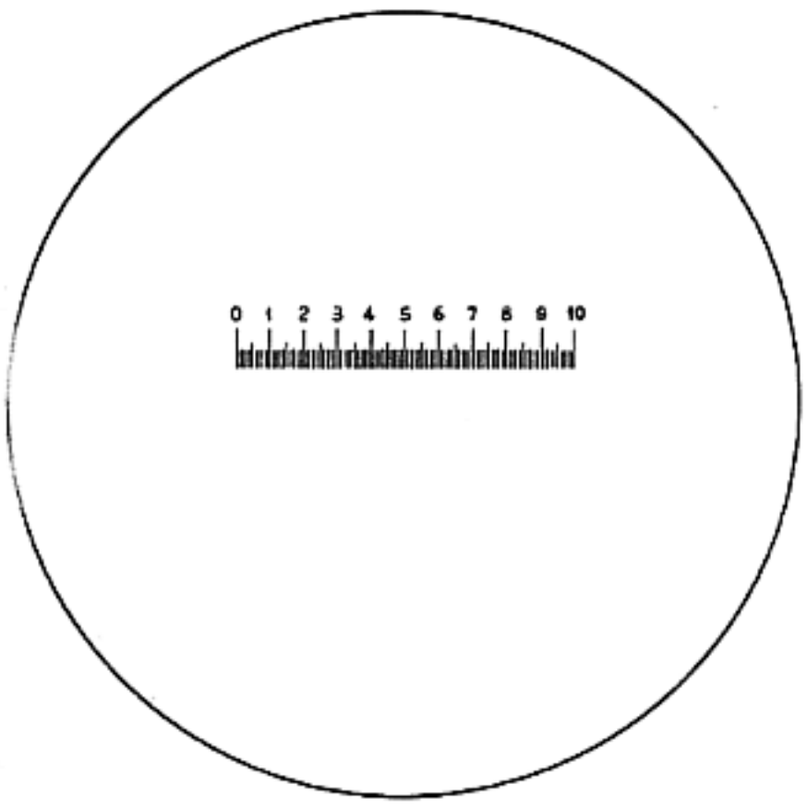

Fig. 2. Field of view of the single eyepiece measuring plate division 5:100.

Single eyepiece measuring plates (⌀ 16 mm)

	Key number
Scale 10 mm divided into 100 parts (fig. 2)	5680
Scale 5 mm divided into 100 parts (analogous to fig. 2)	5681
Rectangular division (5 mm²) divided into squares of 1 mm side length	5682
Rectangular division (10 mm²) divided into squares of 1 mm side length (fig. 3)	5683
Cross hairs (fig. 4)	5684

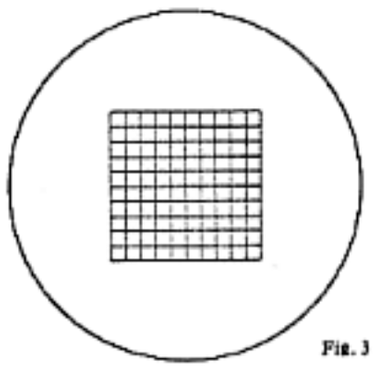

Fig. 3

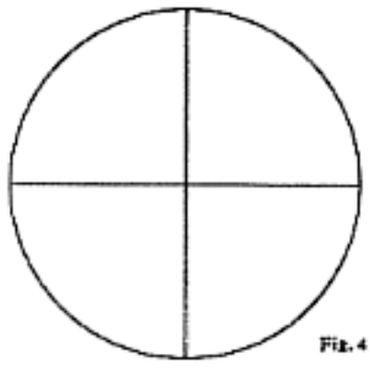

Fig. 4

Field of view of the single eyepiece measuring plate.
Fig. 3. Rectangular division (10 mm²).
Fig. 4. Cross hairs.

WILD HEERBRUGG SWITZERLAND

Accessories for microscopic measurements

Since the use of microscopy for technical purposes is becoming more and more frequent, precise microscopic measuring devices prove to be of ever increasing importance in almost any field of industrial enterprise. In the field of microscopic research also, precise measurements are often needed.

Our manufacturing program comprises the following special objectives, micrometer plates and object micrometers for measurements of lengths, angles and surfaces:

Object micrometer

	Key number
Scale of 5 mm divided into ½ mm, 2 mm divided into $^1/_{10}$ mm, 0,2 mm divided into $^1/_{100}$ mm, in case (fig. 1)	8410

This object micrometer serves for calibrating purposes, e.g. for the determination of the length to which corresponds one part of the division of the micrometer plate in the object (as to the micrometer value, see instructions "microscopic measuring methods").

Fig. 1. Object micrometer.

Huygens type measuring eyepieces without micrometer plate

6× measuring eyepiece (field number 18)	5652
10× measuring eyepiece (field number 14)	5655

Huygens type measuring eyepieces with micrometer plate

6× measuring eyepiece with 10:100 plate (10 mm divided into 100 parts, fig. 2)	5653
10× measuring eyepiece with 5:100 plate (5 mm divided into 100 parts, analogous to fig. 2)	5656

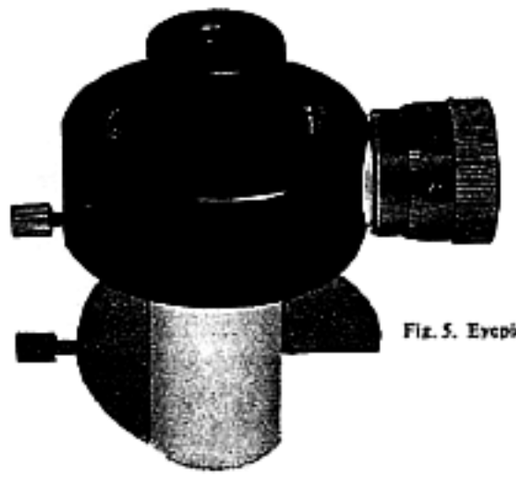

Fig. 5. Eyepiece with micrometer screw.

Eyepiece with micrometer screw

	Key number
For length measurements of highest accuracy the 15× eyepiece with micrometer screw is used (compensated eyepiece, 6 mm divided into 12 parts)	5675

The approximate micrometer values of the measuring plates as listed above, resulting with various objectives, are given in the instruction booklet "microscopic measuring methods".

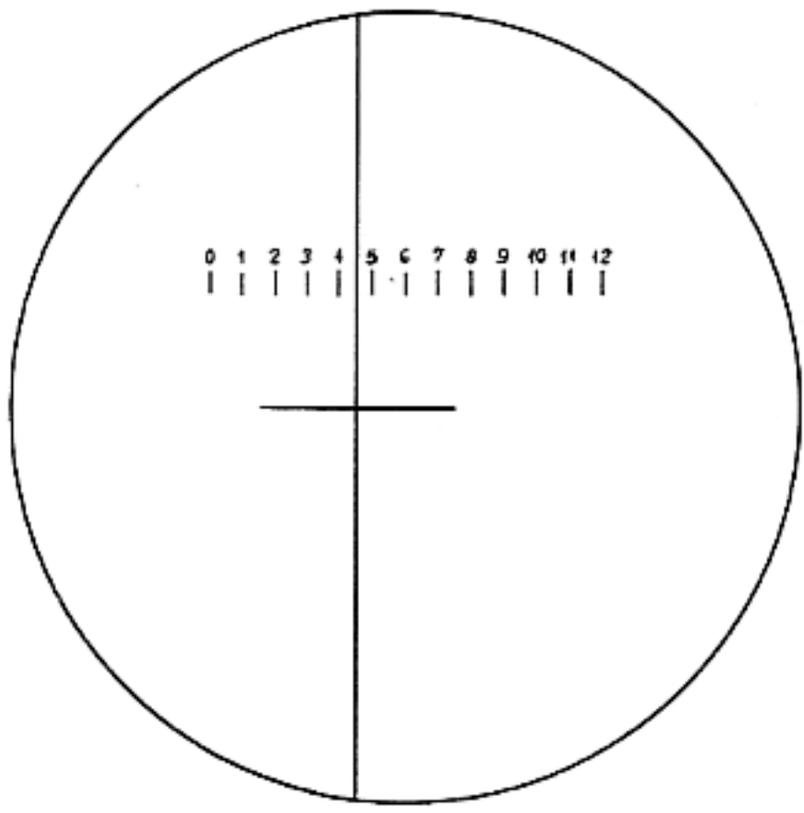

Fig. 6. Field of view of the eyepiece with micrometer screw. The cross hairs can be moved with respect to the field of view by actuating the measuring drum.