## Please Scroll Down

## Phase Contrast Asbestos Test Slide

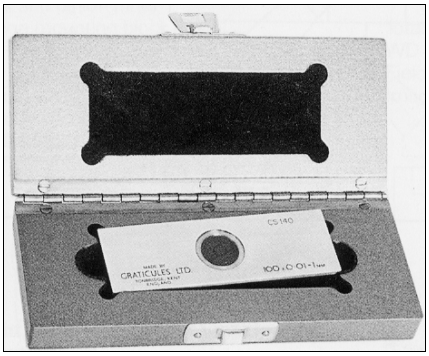
HSE/NPL Test Slide for Phase Contrast Calibration in Asbestos Analysis. This test slide is made in the UK under license from the National Physical Laboratory. The purpose of the slide is to provide a standard means to check the performance of phase microscopes prior to the analysis of asbestos. The pattern consists of seven bands of twenty lines with widths ranging from 0.25 microns to 1.1 microns. This slide is the band 5 version where microscopes need to be able to fully view band 5 and partially view band 6.

Each slide is fully tested, approved by the Health & Safety Laboratory and issued with a certificate. HSE recommend the slide is recalibrated every 3 years.

**S470** Asbestos Test Slide

## Stage Micrometer

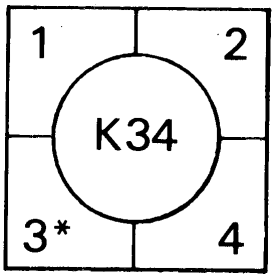
The most common microscope calibration scale used to calibrate eyepiece graticules. TAAB offer a scale length of 1mm divided into 0.01mm divisions. To obtain maximum accuracy the image of the stage micrometer is protected by a micro cover glass to exactly correspond with the specimen it replaces as the majority of microscopes are corrected for examining specimens through a cover glass by transmitted light. For incident light specimens the 1mm stage micrometer is available without cover glass.



**M144** Stage micrometer 1mm x 0.01mm for transmitted light
**M145** Stage micrometer 1mm x 0.01mm for incident light

# 11 Optical Microscopy

## The England Finder




The above example shows the point of interest in sector K34/3

The England finder is a glass slide marked over the top surface in such a way that a reference position can be deduced by direct reading. The relationship between the reference pattern and the locating edges is the same in all finders. The object of the finder is to give the microscopist an easy method of recording the position of a particular field of interest in a specimen mounted on a slide so that the same position can be re-located using any other England finder on any microscope.
The finder consists of a glass slide 75 x 26mm marked with a square grid at 1mm intervals. Each square contains a centre ring bearing a reference letter and number, the remainder of the square being divided into four segments numbered 1-4. Reference numbers run horizontally 1 to 75 and letters A to Z

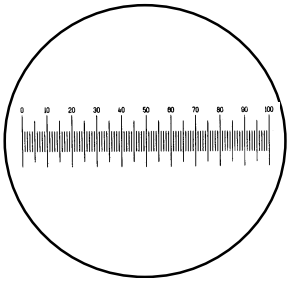
**G110** England finder

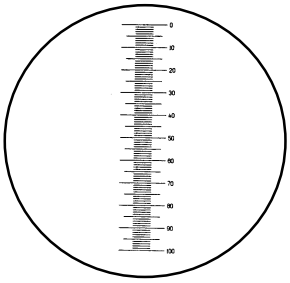
## Eyepiece Graticules

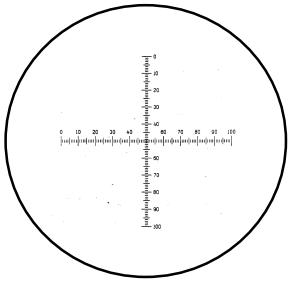
These are the surface type where the pattern is formed in a layer bonded to the surface of the glass disc and the pattern reads correctly when viewed *through* the glass. Must be viewed using a focusing eyepiece.
Please note that any dimensions described in this section refer to the absolute dimensions of the graticule itself and not the dimensions of any specimen being observed.

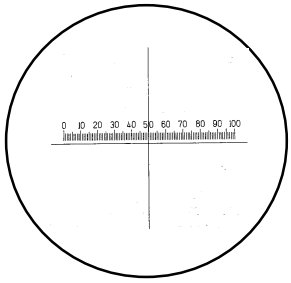
**M146** Horizontal line 10mm/0.1mm div, 21mm Ø
**M147** Vertical line 10mm/0.1mm div, 19mm Ø
**M148** As above 21mm Ø
**M149** Crossed lines 10mm/0.1mm div , 21mm Ø
**M150** Horiz. line 10mm/0.1mm div with single cross line, 21mm Ø
**M151** Crossed single 10mm lines 19mm Ø
**M152** As above 21mm Ø

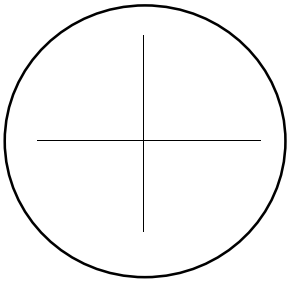
**M153** Protractor graticule 19mm Ø
**M154** As above 21mm Ø
**M155** British Standard circles & squares, 19mm Ø
**M156** As above 21mm
**M157** 10mm indexed squares 1mm div, 19mm Ø
**M158** As above 21mm div

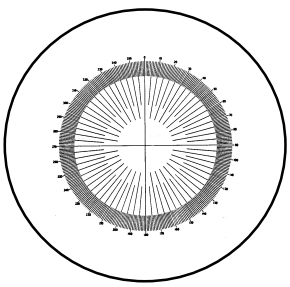

M146

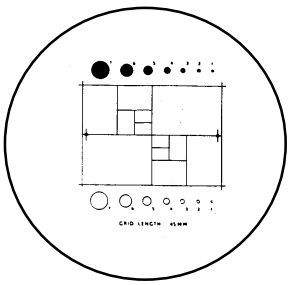

M147/8

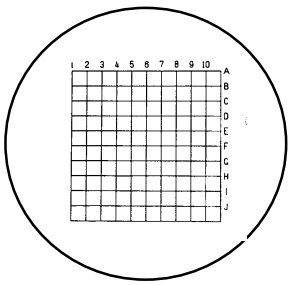

M149


M150


M151/2


M153/4


M155/6


M157/8

## Microscope Calibration

In addition to the graticules displayed above we can offer others for stereology, particle sizing, particle distribution, metallurgical grain sizing, asbestos fibre analysis (Walton & Beckett graticule), spray droplet distribution, etc.
If the standard eyepiece graticules and stage micrometers are insufficient traceability for your applications we can supply a range of certified linear, long scales and grids for more accurate calibration. These can have a certificate of conformity or NPL (NAMAS) certificate of accuracy.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