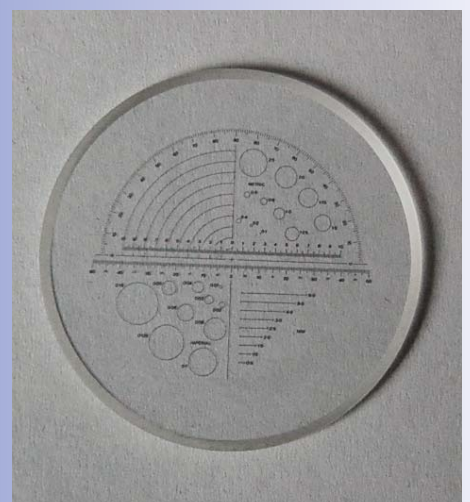




Inspecta

MAG 6 & MAG 7 MAGNIFIERS
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British Made



Typical Applications

Used in:

- Industrial and Commercial Photography
- Cartography
- Calligraphy
- Navigation
- Building Industry
- Banking
- Production Control
- Engineering
- Forensic Science
- Education and Research
- Textile Manufacture
- Philately
- Medical
- Printing
- Examination of tools, cutters and dies

Used for:

- Examination of printed circuit boards and artworks
- Measurement of print lines and characters
- Crack and fault evaluation in concrete, metals and other materials
- Optical character recognition
- Identification of thread pitch and diameter
- Measurements on x-ray images
- Checking of defects on finished parts

MAG 6 and MAG 7 Magnifiers offer a superior solution to the optical inspection and measurement requirements across a wide range of manufacturing industries. These instruments should not be confused with lower cost magnifiers from the Far East.

Pyser-SGI has been manufacturing optics for over 75 years, and has built up a strong reputation for offering high quality, robust components and systems. From simple magnifiers to magnifiers with reticles, the Pyser-SGI Inspecta range offers both standard and custom made products.

MAG 6 Measuring Magnifier - x8 Magnification with Reticle Holder

- Large 32mm field of view
- Robust construction
- Serviceable
- Easy to swap reticles
- Multi element glass lens
- Range of standard lens reticles
- Custom made reticles available



Ordering Information

Cat. Ref: MAG6
 Order Code: 50E02000
 Cat. Ref: MAG6TR (with torch)
 Order Code: 50E02001

Magnification: x8
 Height: 65mm
 Field of View: 32mm
 Overall Diameter: 40mm



A range of hand-held magnifiers for measurement and inspection. Their robust construction, flat field and all glass optics, make them ideal aids for those concerned with inspection, quality control, drafting, photography, map making, electronics etc. The clear base allows ample light to fall on the specimen surface being measured, and the eye lens can be focussed. to give the sharpest image.

Interchangeable reticles can be fitted in the base ring to suit the measurement purpose. The MAG 6 Measuring Magnifier is supplied with a robust leatherette case.

For standard reticles see page 4

MAG 6A Inspection Magnifier - x8 Magnification

This magnifier is similar to the MAG 6, but has an extended acrylic-base instead of the reticle retaining ring. This allows more light to fall on the surface of the specimen. However, unlike the MAG 6 there is no facility for a reticle to be fitted. The MAG 6A Inspection Magnifier is supplied with a robust leatherette case.

Ordering Information

Cat. Ref: MAG6A
 Order Code: 50E02002

Magnification: x8
 Height: 65mm
 Field of View: 30mm
 Overall Diameter: 40mm

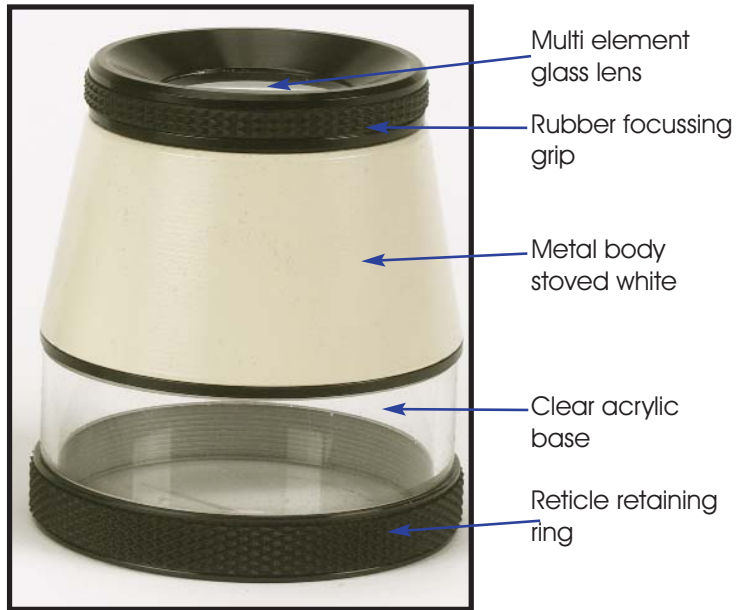


MAG 7 Inspection Magnifier - x4 Magnification with Reticle Holder

- Big 85mm field of view
- Robust construction
- Serviceable
- Easy to swap reticles
- Multi element glass lens
- Range of standard lens reticles
- Custom made reticles available

Ordering Information

Cat. Ref:	MAG7
Order Code:	50E02014
Cat. Ref:	MAG7 TR (with torch)
Order Code:	50E02016
Magnification:	x4
Height:	95mm
Field of View:	63mm
Overall Diameter	70mm



Used when the field of view covered is more important than the power of magnification. The field of view is more than 3 times that of the MAG 6 whereas magnification is only reduced by half. The instrument is suitable for use for all the same purposes as MAG 6 and has the facility for a reticle to be fitted. The MAG 7 Measuring Magnifier is supplied with a robust leatherette case.

For standard reticles see page 5

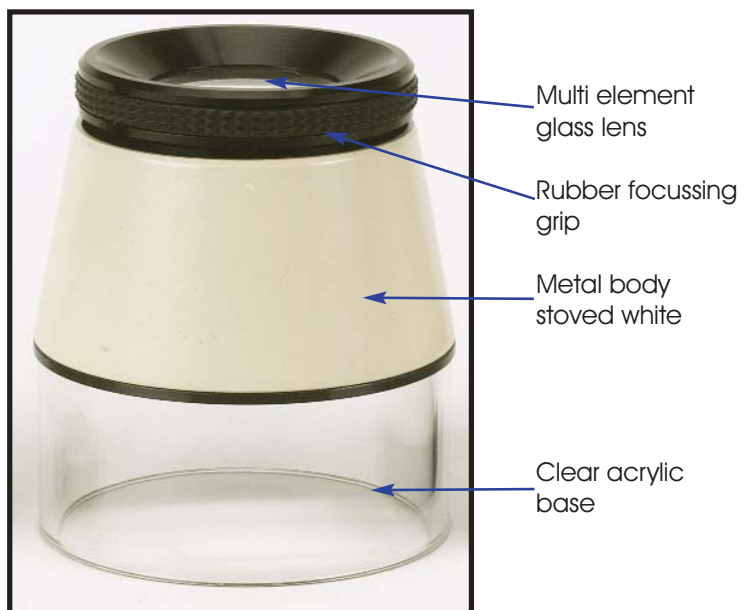
Also available with torch, as per MAG6TR.

MAG 7A Inspection Magnifier - x4 Magnification

The acrylic tube is extended to the base of the magnifier to allow more light to fall on the surface of the specimen. However, unlike the MAG7 there is no facility for a reticle to be fitted. The MAG 7A Measuring Magnifier is also supplied with a robust leatherette case.

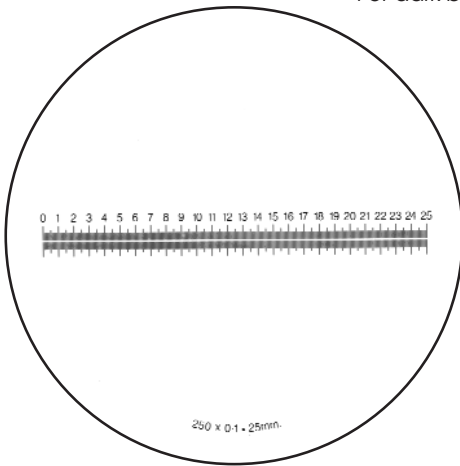
Ordering Information

Cat. Ref:	MAG 7A
Order Code:	50E02015
Magnification:	x4
Height:	95mm
Field of View:	63mm
Overall Diameter:	70mm



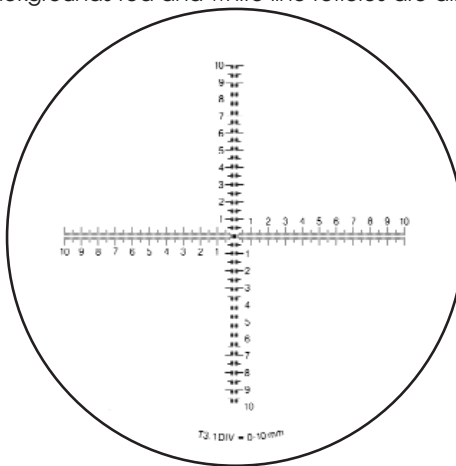
Reticles for MAG 6 Measuring Magnifier

Standard reticles are on glass discs with black metalised opaque lines best suited for light backgrounds.
For dark backgrounds red and white line reticles are also available.



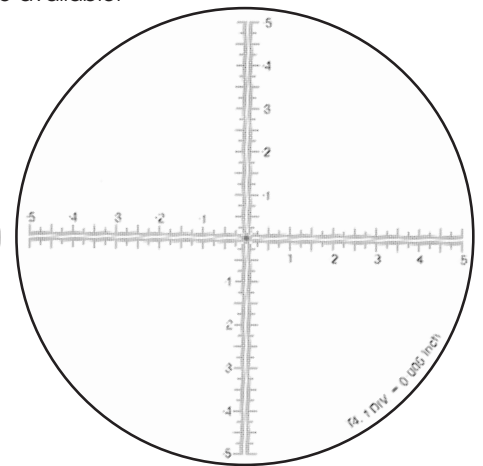
Horizontal Scale
25mm in 0.1mm divisions
Cat. Ref: M6T1

Order Code:
50B02003 - Std
50B02003R - Red
50B02003W - White



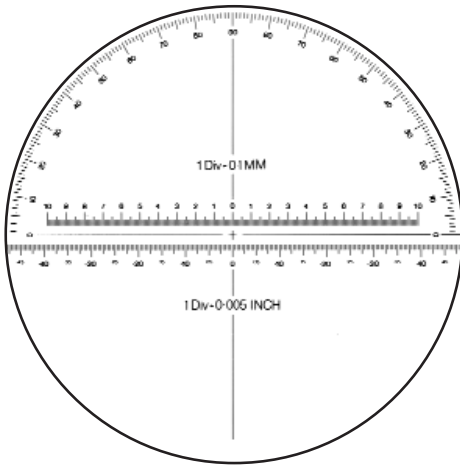
Crossed Scale
20mm in 0.1mm divisions
Centre zero
Cat. Ref: M6T3

Order Code:
50B02005 - Std
50B02005R - Red
50B02005W - White



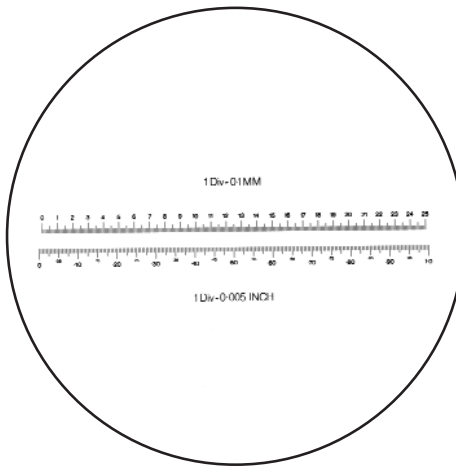
Crossed Scale
1" in 0.005" divisions
Centre zero
Cat. Ref: M6T4

Order Code:
50B02006 - Std
50B02006R - Red
50B02006W - White



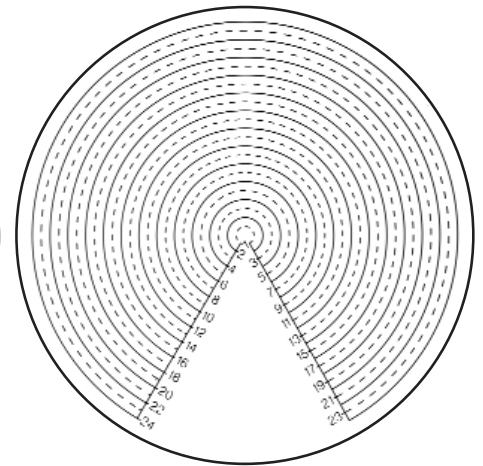
Combination Scales
and Protractor
20mm in 0.1mm divisions
1" in 0.005" divisions
Cat. Ref: M6T8

Order Code:
50B02003 - Std
50B02003R - Red
50B02003W - White



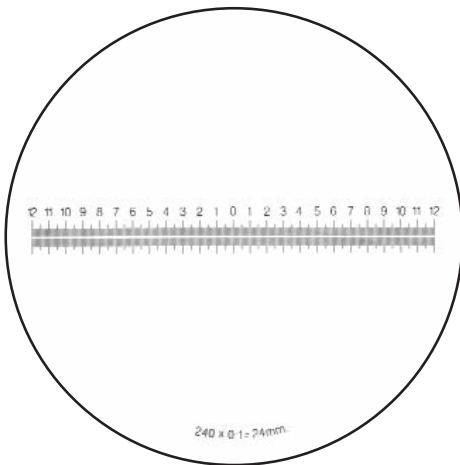
Inch/Metric Scale
25mm in 0.1mm divisions
1" in 0.005" divisions
Cat. Ref: M6T20

Order Code:
50B02008 - Std
50B02008R - Red
50B02008W - White



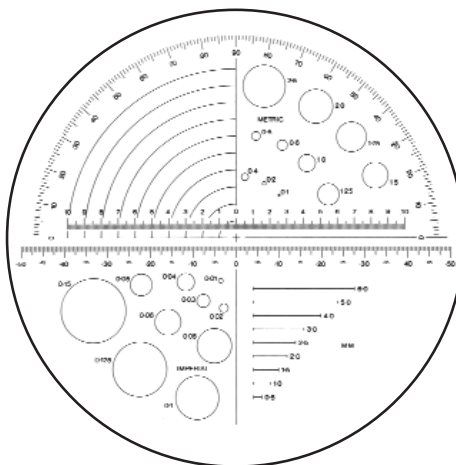
Concentric Circles
1-24mm dia
Cat. Ref: M6T50

Order Code:
50B02009 - Std
50B02009R - Red
50B02009W - White



Centre Zero Scale
24mm in 0.1mm
divisions
Cat. Ref: M6T10

Order Code:
50B02004 - Std
50B02004R - Red
50B02004W - White



Multipurpose
Cat. Ref: M6T40

Order Code:
50B02050 - Std
50B02050R - Red
50B02050W - White



OCR-B
Cat. Ref: M6T85

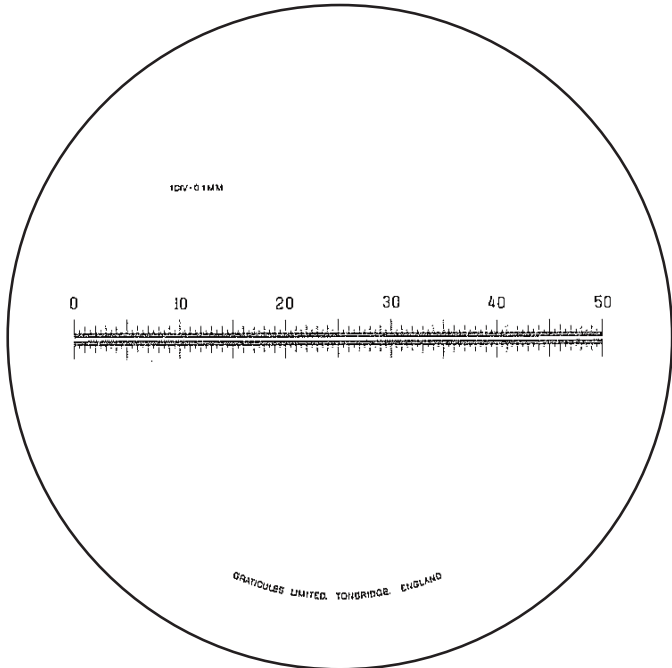
Order Code:
50B02055 - Std
50B02055R - Red

Multipurpose M6T40 List of Features:
20mm scale, centre zero, in 0.1mm divisions
1.0" scale, centre zero, in 0.01" divisions
180° protractor in degrees
Concentric circle arcs, 1mm to 10mm radius
11 metric circles, 0.01mm to 2.5mm diameter
10 imperial circles, 0.01" to 0.15" diameter
9 lines, 0.5mm to 6mm length

N.B. Artist's
impression of
reticles for
guidance only

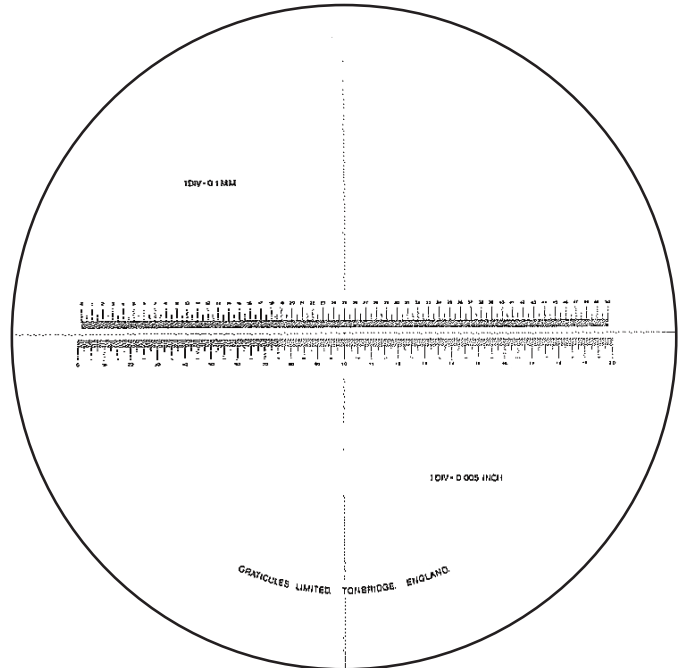
Reticles for MAG 7 Measuring Magnifier

Standard reticles are on glass discs with black metalised opaque lines best suited for light backgrounds.
For dark backgrounds red and white line reticles are also available.



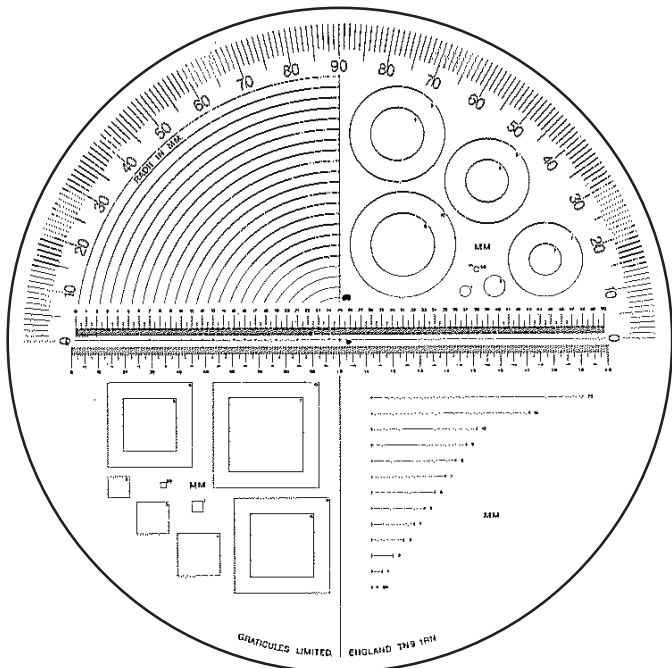
Horizontal Scale
0-50mm divisions
Cat. Ref: M7T100

Order Code:
50B02016 - Std
50B02016W - White



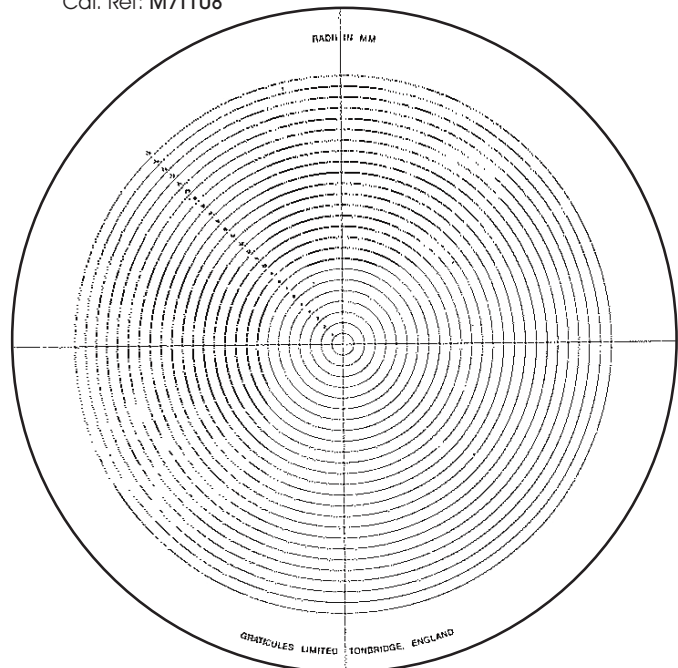
Inch/Metric Scale
0-50mm in 0.1mm divisions
0-2" in 0.005" divisions
Cat. Ref: M7T108

Order Code:
50B02017



Multipurpose
Cat. Ref: M7T109

Order Code:
50B02018



Concentric Circles 2-50mm diameter,
numbered 1-25 (radius in mm)
Cat. Ref: M7T150

Order Code:
50B02019

Multipurpose M7T109 List of Features:

- 0-50mm scale in 0.1mm divisions
- 0-2" scale in 0.01" divisions
- 180° protractor in degrees
- Concentric circle arcs, 4mm to 25mm radius
- 11 metric circles, 0.5mm to 10mm diameter
- 10 metric squares, 0.5mm to 10mm diameter
- 13 lines, 0.5mm to 20mm length

Special Reticles

There are many occasions where one of the standard reticles will not be satisfactory for your application. Maybe you want a pattern that reflects your particular component, alignment or measurement in order to make inspection easier with less error. Pyser-SGI can work with you to create exactly the right pattern for your task.

Many people shy away from special reticles because of the perceived high cost. Pyser-SGI has a very cost-effective, custom reticle facility that is used to dealing with one-off designs and will produce a drawing for you to approve or amend before manufacture. Just send us full details of your requirements and we will be delighted to provide a quotation.

Other Products in the Inspecta Range:



- Portable Microscopes
- Microscope Components
- Measuring Scales
- Video Inspection
- Depth Scopes
- Thru Hole Scopes
- Calibration Products
- Microscope Systems
- Co-ordinate Measurement
- Measuring Microscopes
- Calibration Scales



Other products



Please contact Pyser-SGI Limited



Pyser-SGI Limited reserves the right to amend these specifications.
 Visit our website on www.pyser-sgi.com for further information on the complete range of products available from Pyser-SGI Limited.



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