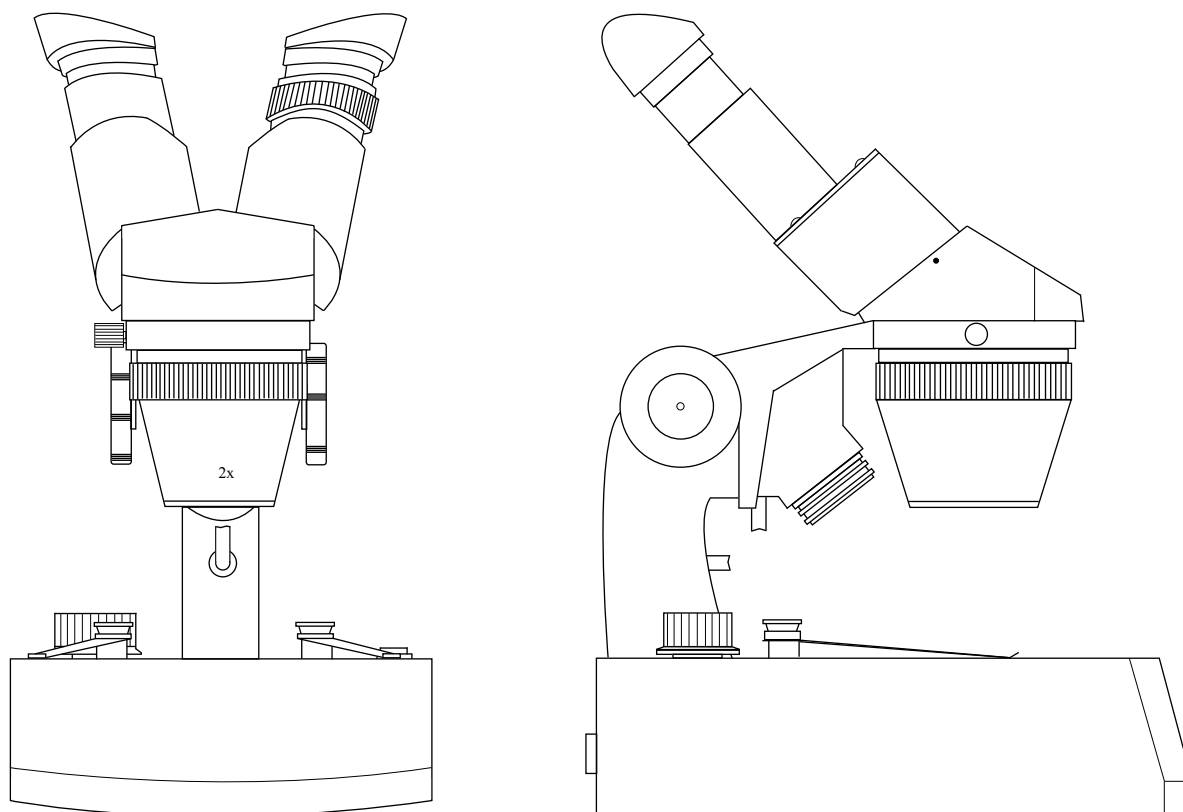


#### PRODUCT RANGE

59-020-060 Deluxe Stereo Microscope



#### GENERAL DESCRIPTION

This Deluxe Stereo Microscope is suitable for non-contact inspection and incorporates high quality optics giving standard magnification of either 20X or 40X by simply rotating the objective turret.

#### GENERAL SPECIFICATION

- Two 10x magnification Wide Field Eye Pieces
- Two Rubber Eye Cups for fitting to Eye Pieces
- Eye Pieces mounted at 45 degrees in Microscope Head
- Microscope head can be turned through 360 degs.
- Eye Piece width adjustment 50 – 75mm
- 2x & 4x Objective Lenses mounted in a revolving turret with positive click stops
- Microscope provides 20x & 40x viewing magnification
- Focal distance between base of turret and work piece = 63mm
- Field of view at 20X mag. = 10mm
- Field of view at 40X mag. = 5mm
- Max. working height between stage plate and objective lens turret = 94mm
- Rack and pinion adjustment = 50mm
- Two sided stage plate with black/white faces 95mm dia.
- Opaque glass stage plate 95mm dia.
- On/Off power switch
- Four position illumination switch : Off, I = Bottom, II = Top, III = Both
- Two specimen clips
- Plastic dust cover
- Primary voltage 230v AC
- Secondary voltage 12v 10w

#### OPERATING INSTRUCTIONS

Carefully unpack the microscope from its fitted shipping box.

Remove the protective plastic bag which covers the microscope.

Place the microscope onto a solid work bench.

Fit the rubber eye cups to the eye pieces.

Remove the plastic disc from below the objective lens turret.

Connect the 3 pin plug to the required electric mains supply.

Rotate the objective lens turret to positively engage either the 2x or 4x position.

Place the work piece onto the selected stage plate.

Position the Microscope head approximately 63mm above the surface of the work piece.

Select required illumination.

Look through Eye pieces and adjust lenses to correct eye width distance.

Rotate either of the two side adjusting knobs to focus onto the required surface.

When in general focus a fine adjustment can be made by adjusting the left hand magnification lens to balance with the right hand lens by rotating the left hand lens mount.

When the final focus has been made, the microscope head can be locked in this position by using the "C" spanner provided, to tighten the locking collar situated on one of the adjusting knob spindles against the microscope body.

To replace the magnification lens, partially withdraw the small cross head location screw situated just below the lens, this will allow the lens to be pulled from its location tube. To replace the lens, fit lens into tube until the small cross head screw is in line with the annular groove situated around the lens body, then retighten the screw.

#### BULBS/ADDITIONAL ACCESSORIES

Microscope is fitted with two 250V T1A Glass fuses

Illumination lamps : Top & Bottom Lamp 12v 10w halogen (Linear Code 59-020-061)

Additional accessories

Eye Piece 15X (Code 59-020-041)

Eye Piece 20X (Code 59-020-042)

Eye Piece 10X with Metric Scale consisting of:

Horizontal Scale 0 – 16mm in 0.1mm graduations

Vertical Scale 0 – 16mm in 0.5mm graduations

Diagonal cross lines giving 30, 60 & 45 deg. angles (Code 59-020-045)

#### MAGNIFICATION DATA

Magnification	Widefield Eyepiece	Product Code	Objective Lens	Product Code	Focal Length	Fields Of View
20x	10x	Fitted	2x	Fitted	63mm	10mm
40x	10x	Fitted	4x	Fitted	63mm	5mm
30x	15x	59-020-041	2x	Fitted	63mm	6mm
60x	15x	59-020-041	4x	Fitted	63mm	3mm
40x	20x	59-020-042	2x	Fitted	63mm	3mm
80x	20x	59-020-042	4x	Fitted	63mm	1.5mm

#### INSTRUMENT CARE

Do not dismantle any part of the optical system.

Clean the magnification lenses only with soft clean dry paper.

Do not try to turn the viewing head through 180 deg. as the optical system will not work in this position.