

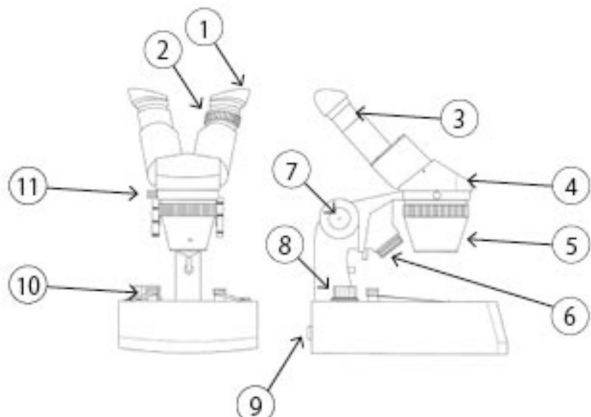


ENGLISH

Datasheet RS Pro Deluxe Stereo Microscope

RS Stock No: 471-8834



	<p>Parts List</p> <ul style="list-style-type: none">1 Rubber Eye Cups2 Vision Correction Ring3 Wide Field Eye Piece4 Microscope Head5 Objective Lens Turret6 Top Illumination7 Height Adjustment / Focussing Wheels8 Illumination Switch9 Fuse Holders10 Specimen Clips11 Head Rotation Clamp Screw
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Order Code	Manufacturers Code	Description
471-8834	59-020-060	Deluxe Stereo Microscope



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RS Pro Deluxe Stereo Microscope

Specifications:

Two 10x Wide Field Eye Pieces

Two Rubber Eye Cups

Eye Pieces mounted at 45° in Microscope Head

Microscope Head can be turned through 360°

Eye Piece width adjustment: 50 – 75mm

Vision correction adjustment

2x and 4x Objective Lenses mounted in revolving turret

Standard viewing magnification: 20x and 40x mag.

Max. working height between stage plate and turret 94mm

Rack and pinion focussing and height adjustment 50mm

Illumination options: via a 4 position switch

1. Off /On
2. Top Incident light only
3. Bottom transmitted light only
4. Both incident & transmitted light together

Fitted opaque glass stage plate 95mm diameter

Additional reversible black/white plate 95mm diameter

Two specimen clips

Primary voltage: 230V AC

Secondary voltage: 12V 10W

Magnification Data:

Required Viewing Magnification	Wide field Eyepiece Magnification	Objective Lens Magnification	Focal Length mm	Field of View mm
20	10	2	63	10
40	10	4	63	5
30	15	3	63	6
60	15	4	63	3
40	20	2	63	3
80	20	4	63	1.5



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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 working surface

Remove the two wide field eye pieces from their plastic tubes and fit into the microscope head

It will be necessary to loosen the small cross head screw situated in the lens mounting tube to allow the lens to be fully seated. This screw should be retightened so that it locates in to the annular groove in the lens body and stop it from being removed

Fit the rubber eye cups to the eye pieces

Loosen Microscope Head Rotation Screw and rotate head to desired viewing position and re-tighten screw

Remove the protective plastic disc from below the objective lens turret

Connect the plug to the mains supply

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

Fit the stage plate with the desired colour facing up

Place the work piece on to the stage plate

Unclamp microscope head using column clamp screw

Move the microscope head so that there is approximately 63mm between the bottom of the objective lens turret and the face of the work piece. Clamp in this position

Switch on the required illumination

1. Off / On
2. Top Incident light only
3. Bottom transmitted light only
4. Both incident & transmitted light together

Look in to the eye pieces and adjust to suit your eye width distance by pulling or pushing the lenses apart

Rotate the height adjustment wheel to gain focus on the work piece

Once general focussing has been achieved, final focussing can be carried out to balance any magnification difference between your eyes by adjusting the vision correction ring situated on the left hand lens mount

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



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Instrument Care:

Do not dismantle any part of the optical system
Clean the magnification lenses only, with soft clean dry paper

Accessories::

RS Code	Description	Additional Information
4727030	Eye Piece 15X mag.	
4727046	Eye Piece 20X mag.	
4727074	Eye Piece 10X mag. with Measuring Scale:	Marked: Horizontal Scale: 0-16mm, grads 0.1mm Vertical Scale: 0-16mm, grads 0.5mm Angles: 30, 45 & 60 degrees
4727068	Illumination Lamps: Halogen 12V – 10W	Same lamp for both top and bottom illumination
	Glass Fuse: 250VT1A	2 required