



Single/Double Slit Set of 3

Single and double slit diffraction slides provide clear, measurable demonstrations of the wave nature of light. Students can observe how changing slit width and separation alters fringe spacing and intensity, then apply standard diffraction equations to connect patterns with wavelength and geometry.

The set includes one single-slit slide with 5 different slit widths, plus two double-slit slides: one with constant slit width and varying separation, and one with constant separation and varying slit widths. Use with a laser pointer of known wavelength (required but not included).

Single/Double Slit Set of 3

Item #	Description	Quantity Per Pack
DBLESKIT3	Single and Double Slit Set of 3	1

- + Clearly marked slit dimensions for quick setup
- + Robust design for repeated classroom use
- + Enables quantitative studies of slit width, separation, and wavelength effects

Technical Specifications:

- + Double slit: Various slit widths (Cardboard)
Slide Dimensions: 50 x 50 mm²
Slit separation: 0.33 mm
Slit width: 0.10 mm, 0.15 mm, 0.20 mm
Recommended screen distance: 8 m
- + Double slit: Various slit separations (Plastic)
Slide Dimensions: 50 x 50 mm²
Slit separations: 0.25 mm, 0.5 mm, 0.75 mm, 1.0 mm
Slit width: 0.15 mm
Recommended screen distance: 8 m
- + Single Slit: Plastic
Slide Dimensions: 50 x 50 mm²
Slit widths: 0.1 mm, 0.2 mm, 0.4 mm, 0.8 mm, 1.6 mm
Recommended screen distance: 8 m



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