

MA4 Series

Ringlight

Dolan-Jenner's mini annular ring lights provide excellent uniformity, intense shadow-free on-axis lighting and are especially useful when imaging or inspecting highly reflective objects. The mini ring light Illumination Systems provide high intensity illumination at the highest magnification and long working distances without light adjustment when refocusing or when zoom features are used. The fiber optic system will eliminate the clutter and head radiation of multiple conventional light sources.

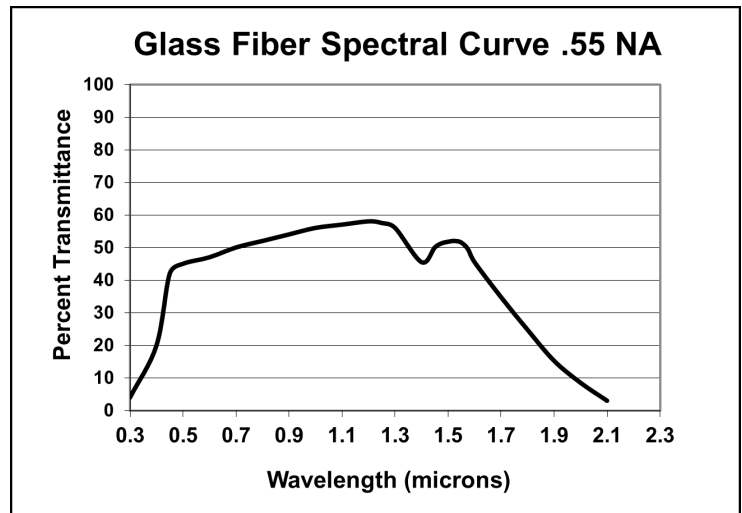
Type MA4 is a mini-annular fiber optic for low power objectives of standard compound microscopes having a maximum diameter of 0.83 inches (21mm). This unit provides brilliant, cool 360 degrees' incident illumination at working distances of 0.2 to 1.0 inches (5 to 25mm) to expand the capabilities of the microscope in viewing, inspection, and photography of opaque specimens. Fits objective lenses 5 to 21mm diameter.

To further reduce specular reflections from shiny surfaces, ring lights can be used in combination with a polarizer and analyzer.

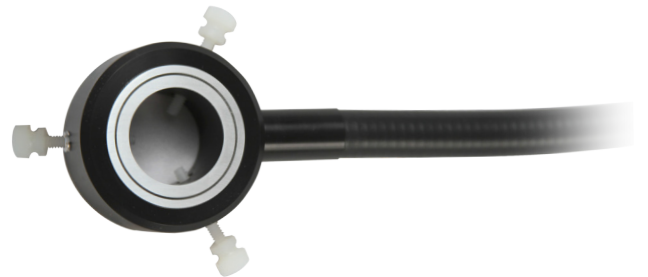
PRODUCT SPECIFICATIONS	
Fiber Material	Borosilicate Glass
Numerical Aperture	0.55 nominal
Acceptance (cone) Angle	68 degrees nominal
Fiber Bundle Diameter	0.250"
Temperature Rating	225°F
Packing Fraction	82% nominal
Sheathing Material	Flexible PVC Mono-coil
Bend Radius	2.0"
Ring Light Head Housing Material	Black Anodized Aluminum
Input End Ferrule Material	303 Stainless Steel
Mounting Type	3 No-mar Thumbscrews
RoHS	Non Applicable
Accessories (Optional)	MA4-PLZ Analyzer Polarizer
Warranty	12 Months



Mi-152 Illuminator
MA436 Ringlight
MX-6 Adaptor




MA436 Ringlight

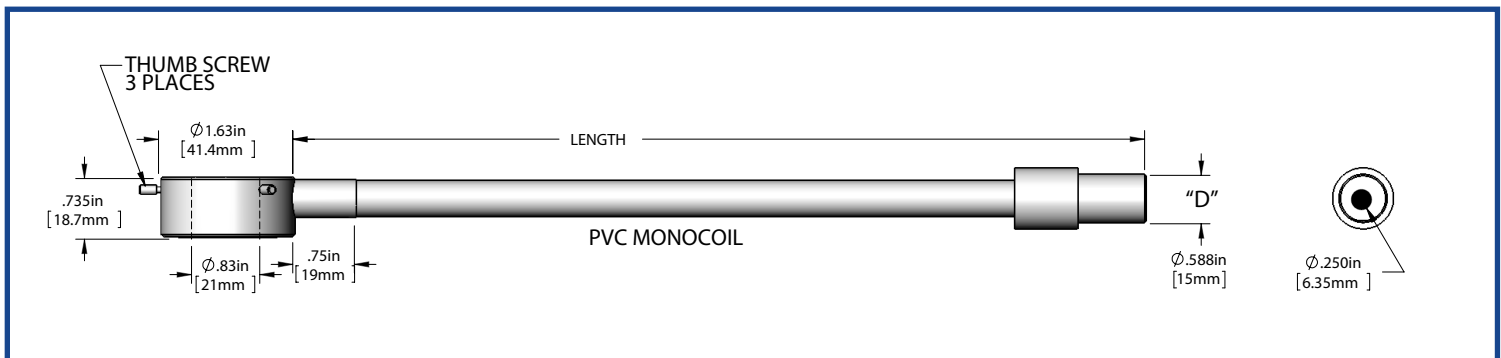


MA4 Series- Black Anodized Housing, PVC Monocoil Sheathing

Fits: 5-20 mm Objectives • Mounting: 3 Thumb Screws • Working Distance: .2in. – 1.0in.

Model	Part #	Cable Length	End Tip Dia. "D"	Light Source Adapter .590 (15mm) Input	Light Source Adapter 1.00 (25mm) Input	Optional Polarizer
MA436	002190020036	36" (914mm)	.311" (7.9mm)	SX-6B	SX-6, MX-6	MA4-PLZ 010090570002 
MA436M	002190160036	36" (914mm)	.588" (15mm)	Direct Fit	SX-13	
MA448	002190020048	48" (1219mm)	.311" (7.9mm)	SX-6B	SX-6, MX-6	
MA448M	002190160048	48" (1219mm)	.588" (15mm)	Direct Fit	SX-13	
MA460	002190020060	60" (1524mm)	.311" (7.9mm)	SX-6B	SX-6, MX-6	
MA472	002190020072	72" (1827mm)	.311" (7.9mm)	SX-6B	SX-6, MX-6	
MA496	002190020096	96" (2438mm)	.311" (7.9mm)	SX-6B	SX-6, MX-6	

MA4 - - M Dimensions:



MA4 - - Dimensions:

