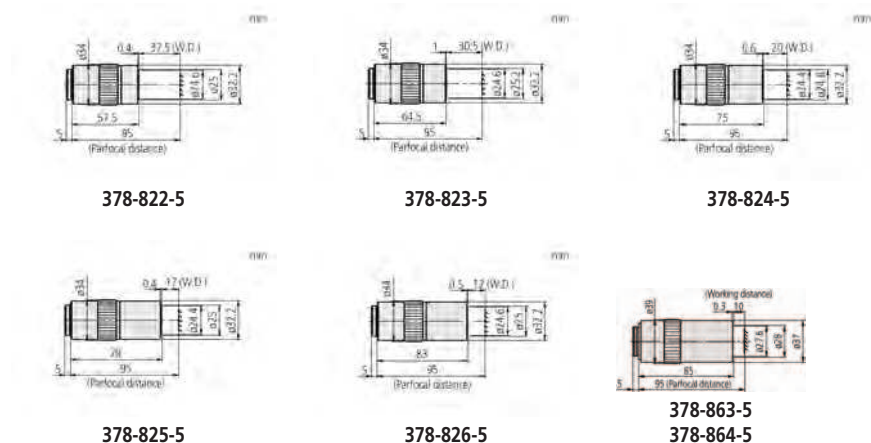


M Plan Apo NIR and BD Plan Apo HR

Series 378

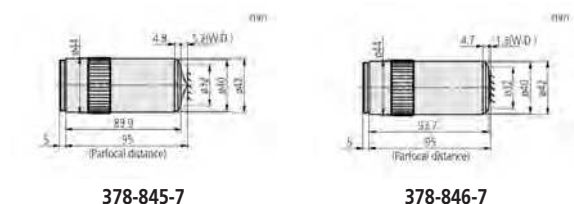


Near-infrared wavelength Corrected
M Plan Apo NIR for Bright Field Observation
Compatible with microscope types VMU / FS-70

No.	Mag.	N.A.	W.D.	f	R	D.F.	F.O.V. 1	F.O.V. 2	Mass g
378-822-5	5X	0.14	37,5 mm	40 mm	2,0 µm	14,0 µm	ø4,8 mm	0,96x1,28 mm	220
378-823-5	10X	0.26	30,5 mm	20 mm	1,1 µm	4,1 µm	ø2,4 mm	0,48x0,64 mm	250
378-824-5	20X	0.40	20,0 mm	10 mm	0,7 µm	1,7 µm	ø1,2 mm	0,24x0,32 mm	300
378-825-5	50X	0.42	17,0 mm	4 mm	0,7 µm	1,6 µm	ø0,48 mm	0,10x0,13 mm	315
378-826-5	100X	0.50	12,0 mm	2 mm	0,6 µm	1,1 µm	ø0,24 mm	0,05x0,06 mm	335
378-863-5	50X	0.65	10 mm	4 mm	0,42 µm	0,65 µm	ø0,48 mm	0,10x0,13 mm	450
378-864-5	100X	0.70	10 mm	2 mm	0,39 µm	0,56 µm	ø0,24 mm	0,05x0,06 mm	450

BD Plan Apo HR for Bright/Dark Field Observation
Compatible with microscope types MF-U / Hyper MF-U
Note : These objectives offer extra-high resolving power.

No.	Mag.	N.A.	W.D.	f	R	D.F.	F.O.V. 1	F.O.V. 2	Mass g
378-845-7*	50X	0.75	5,2 mm	4 mm	0,4 µm	0,49 µm	ø0,48 mm	0,10x0,13 mm	530
378-846-7*	100X	0.90	1,3 mm	2 mm	0,3 µm	0,34 µm	ø0,24 mm	0,05x0,06 mm	545



Specifications

Abbreviations in product table
Mag. : Magnification
N.A. : Numerical aperture
W.D. : Working distance
f : Focal distance
R : Resolving power
D.F. : Focal depth
F.O.V. 1 : Field of view when using ø24 mm eyepiece
F.O.V. 2 : Field of view when using 1/2" CCD camera

M Plan Apo NIR Note :
These objective lenses are designed so that the image of a workpiece remains focused within the focal depth even when the wavelength used is changed from within the visible range up to the near-infrared (480 to 1800 nm).
Therefore the M Plan NIR Series are suitable for laser repair. However, when the wavelength used exceeds 1100 nm, the focussing position may deviate slightly from that in the visible range due to changes in glass dispersion and refractive index.



Refer to the Microscope Units and Objective Lenses brochure