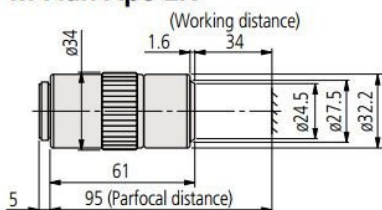


# Objectives for Bright Field Observation (long working distance)

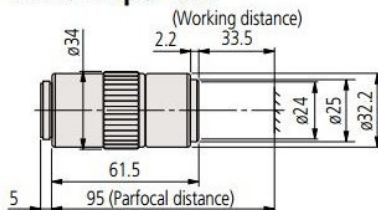
## M Plan Apo

### Dimensions

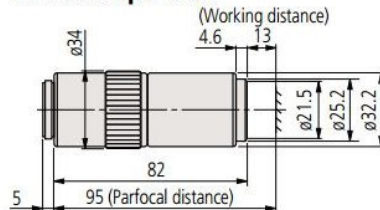
#### M Plan Apo 2X



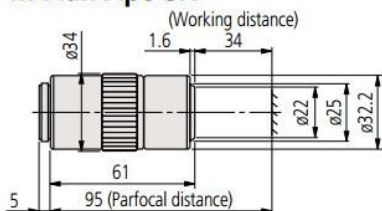
#### M Plan Apo 10X



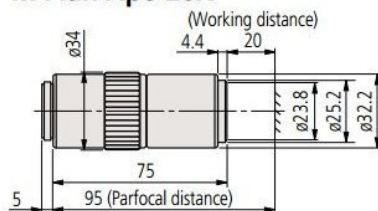
#### M Plan Apo 50X



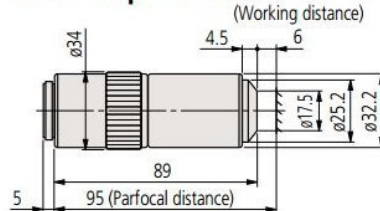
#### M Plan Apo 5X



#### M Plan Apo 20X



#### M Plan Apo 100X



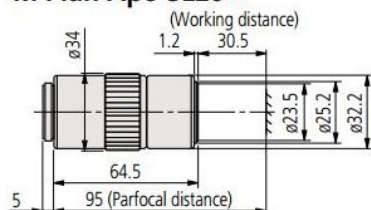
Order No.	Mag.	N.A.	W.D. (mm)	f (mm) (λ=550nm)	R (μm) (λ=550nm)	±DOF (μm)	Real FOV (mm)		Mass (g)
							ø24 eyepiece	1/2" camera	
378-801-6*2	2X	0.055	34.0	100	5.0	91	ø12	2.4x3.2	220
378-802-6	5X	0.14	34.0	40	2.0	14.0	ø4.8	0.96x1.28	230
378-803-3	10X	0.28	34.0	20	1.0	3.5	ø2.4	0.48x0.64	240
378-804-3	20X	0.42	20.0	10	0.7	1.6	ø1.2	0.24x0.32	270
378-805-3	50X	0.55	13.0	4	0.5	0.9	ø0.48	0.10x0.13	290
378-806-3	100X	0.70	6.0	2	0.4	0.6	ø0.24	0.05x0.06	320

# Objectives for Bright Field Observation (Ultra-long working distance)

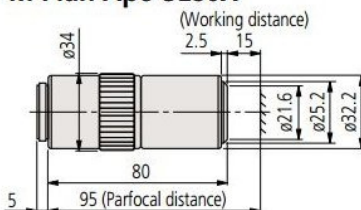
## M Plan Apo SL

### Dimensions

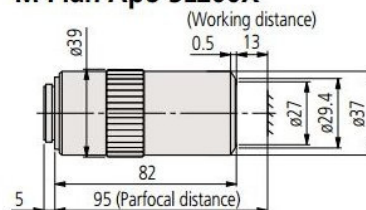
#### M Plan Apo SL20X



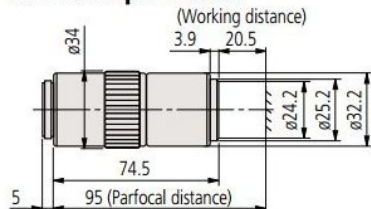
#### M Plan Apo SL80X



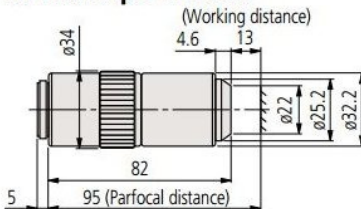
#### M Plan Apo SL200X



#### M Plan Apo SL50X



#### M Plan Apo SL100X



Order No.	Mag.	N.A.	W.D. (mm)	f (mm) (λ=550nm)	R (μm) (λ=550nm)	±DOF (μm)	Real FOV (mm)		Mass (g)
							ø24 eyepiece	1/2" camera	
378-810-3	20X	0.28	30.5	10	1.0	3.5	ø1.2	0.24x0.32	240
378-811-3	50X	0.42	20.5	4	0.7	1.6	ø0.48	0.10x0.13	280
378-812-3	80X	0.50	15.0	2.5	0.6	1.1	ø0.3	0.06x0.08	280
378-813-3	100X	0.55	13.0	2	0.5	0.9	ø0.24	0.05x0.06	290
378-816-3	200X	0.62	13.0	1	0.4	0.7	ø0.12	0.025x0.03	490