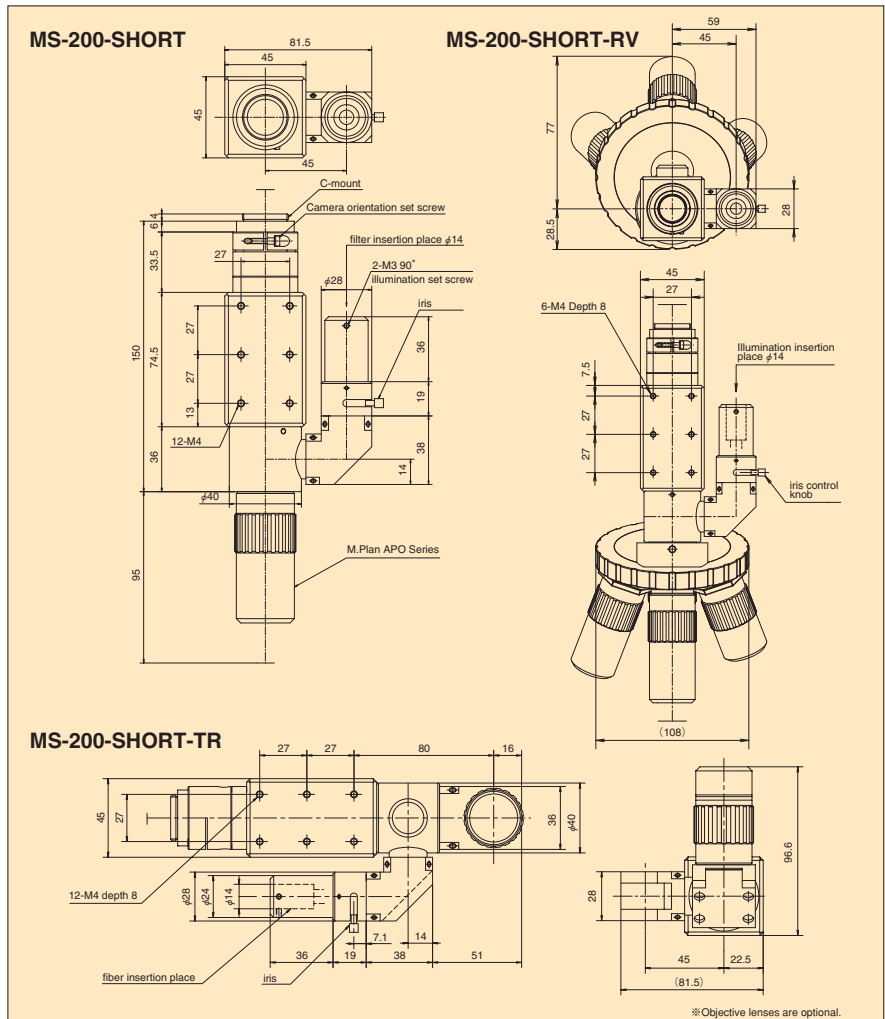


# MS-200-SHORT

## F=200 Coaxial tube

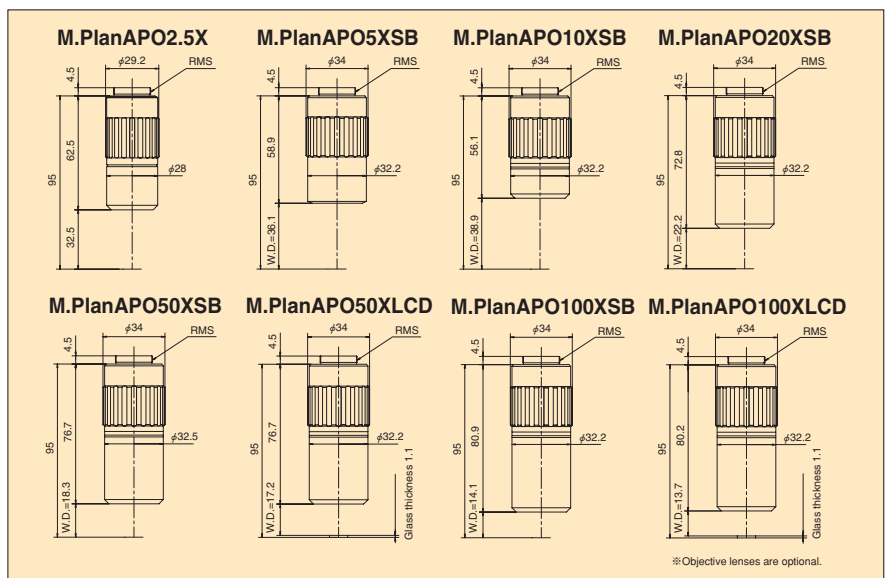
Compact designed tube lens of infinity f=200mm . high resolution , long working distance bright field M.Plan APO lenses are available for this tube lens.



# M.Plan APO series

## Objective Lens

High resolution , long working distance, bright field M.Plan APO objective lens. Equivalent for to PS888 series microscope and MS-200-SHORT tube lens.



### ■ Specification

Model#	M.Plan APO2.5X	M.Plan APO5XSB	M.Plan APO10XSB	M.Plan APO20XSB	M.Plan APO50XSB	M.Plan APO100XSB	M.Plan APO50XLCD	M.Plan APO50XSBN
Magnification	2.5X	5X	10X	20X	50X	100X	50X	50X
Working distance	32.5mm	36.1mm	38.9mm	22.2mm	18.3mm	14.1mm	17.2mm	20.5mm
Focal distance ( f )	80.0mm	40.0mm	20.0mm	10.0mm	4.0mm	2.0mm	4.0mm	4.0mm
N.A	0.06	0.16	0.23	0.35	0.40	0.52	0.40	0.42
Resolution	5.6 $\mu$ m	2.1 $\mu$ m	1.5 $\mu$ m	1.0 $\mu$ m	0.8 $\mu$ m	0.6 $\mu$ m	0.8 $\mu$ m	0.8 $\mu$ m
Focal Depth ( $\pm$ D.F)	76.4 $\mu$ m	10.7 $\mu$ m	5.2 $\mu$ m	2.2 $\mu$ m	1.7 $\mu$ m	1.0 $\mu$ m	1.7 $\mu$ m	1.6 $\mu$ m
Weight	232g	238g	215g	289g	321g	340g	321g	300g

LCD Type lens is for lens through glass thickness of 1.1mm or 0.7mm. Resolution of objective lens is calculated based wavelength of ( $\lambda = 0.55\mu\text{m}$ )  $R=0.61\lambda \times 0.55/NA$  Focal depth  $\pm D (\mu\text{m}) = \lambda / (2 (NA)^2)$