

Makroscope Magnification, Working Distance, and Extension Factor on Multi Focus System

Lens	Configuration	Helical Extension	Magnification Ratio	Working distance	Bellows factor
80/4 APO Rodagon N	MFS without Makroscope	max.	1:2	150 mm	2X (1 f-stop)
	32mm extension tube	max.	1:1	155mm	4X (2 f-stops)
	Makroscope	min.	1:1	80mm	0 (no loss)
	Makroscope	max.	1.5:1	70mm	2X (1 f-stop)
	Double Makrosopes	min.	2:1	35mm	0 (no loss)
	Double Makrosopes	max.	2.8:1	30mm	2X (1 f-stop)

Lens	Configuration	Helical Extension	Magnificaiton Ratio	Working distance	Bellows factor
105/4 APO Rodagon N	MFS without Makroscope	max.	1:3	150mm	1.3X (0.7 f-stop)
	32mm extension tube	max.	1:1	155mm	4X (2 f-stops)
	Makroscope	min.	1.3:1	80mm	1.3X (0.3 f-stop)
	Makroscope	max.	1.7:1	75mm	1.7X (0.7 f-stop)
	Double Makrosopes	min.	2.6:1	35mm	1.6X (0.6 f-stop)
	Double Makrosopes	max.	3.5:1	30mm	2X (1 f-stop)