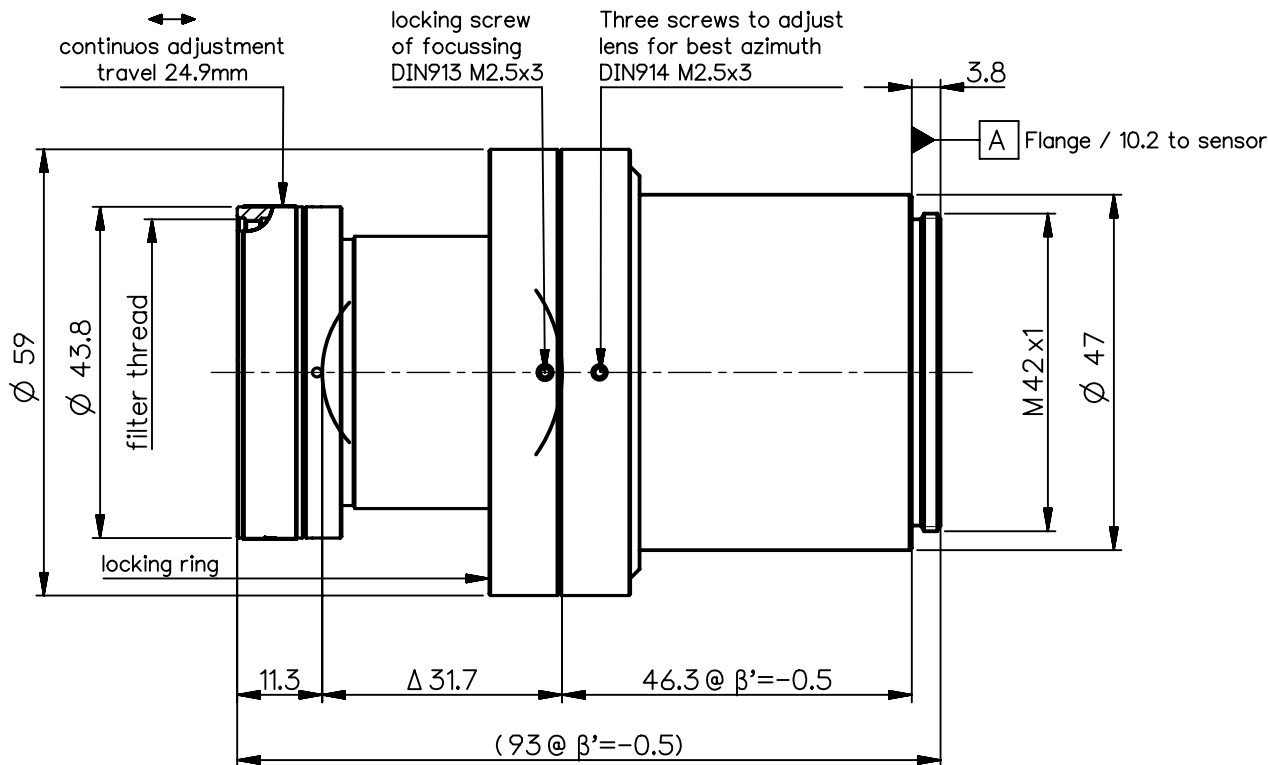
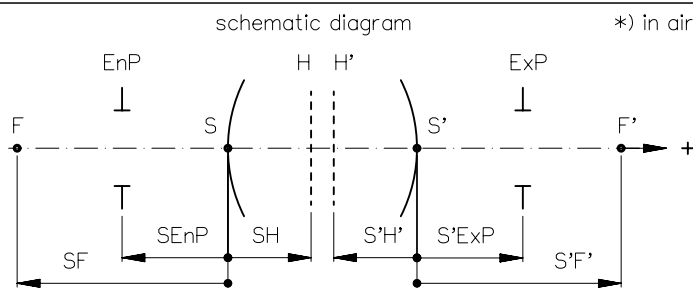


order number	lens name	f-stop
0703-119-000-24	Rodagon M42 2.8/50	2.8
0703-119-000-25	Rodagon M42 4/50	4
0703-119-000-26	Rodagon M42 5.6/50	5.6



Specification		ON	7509-9004
image circle max. (mm)	40	working distance (mm)	124 - 1545
focal length f' (mm)	50.2	interface	M42x1
magnification $\beta'$ [range]	-0.1 [-0.5 ... -0.033]	filter thread	M40.5x0.5
spectral range $\lambda$ (nm)	400 - 750	weight (g)	210

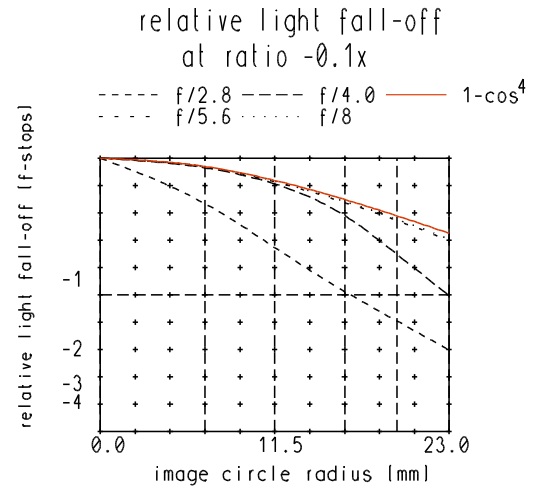
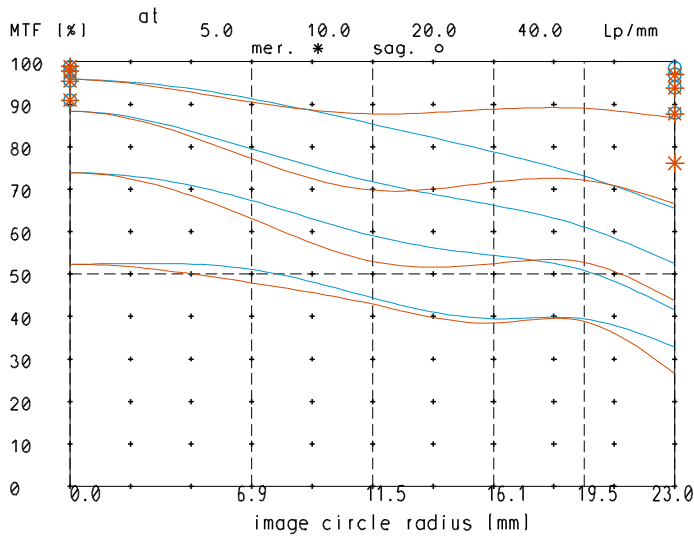


design includes CCD cover glass:		no		
SF (mm)	-34.5	f-stop	$\varnothing$ EnP	$\varnothing$ ExP
S'F' (mm) *)	31.43	2.8	17.4	18.1
HH' (mm) *)	-2.8	4	12.5	13.0
SH (mm)	15.7	5.6	8.9	9.3
S'H' (mm) *)	-18.8			
SEnP (mm)	13.8			
S'ExP (mm) *)	-20.8			

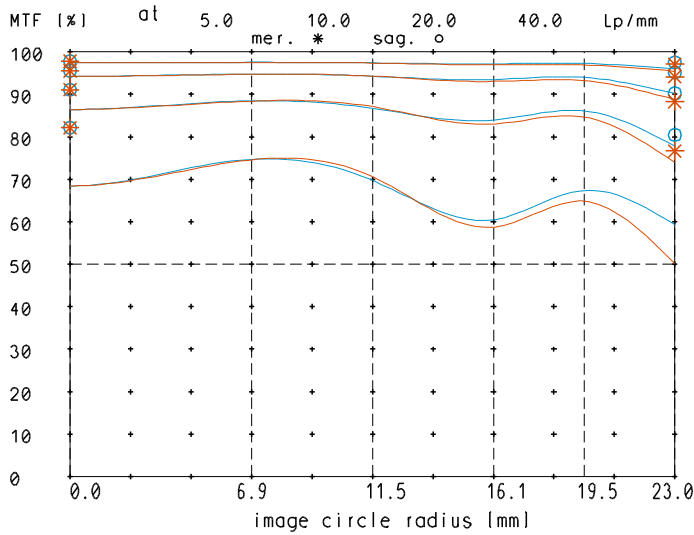
PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED	EU-D	AL-T1A	US-D	US-ML	not export controlled
	REV	ECC	DATE	APPROVED	PDM Status Freigabe
	a	Neuausg	11.03.15	BoII	-
	b	17-0697	20.09.17	Loesch	
			GENERAL TOLERANCE OF DIMENSION, FORM, POS.	SCALE 1:1	
			BASIC TOLERANCING PRINCIPLE	MATERIAL	
			FIRST ISSUE	DATE	NAME
			11.03.15	11.03.15	BoII
			CHKD	11.03.15	Stauder
			TITLE		
			Rodagon M42 50mm		
			DRAWING NO.		
			0703-119-100-00-0001b		
			REPLACES		
DIN A 4	ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT				SHEET 1 OF 1

# Rodagon-M42\_2.8/50

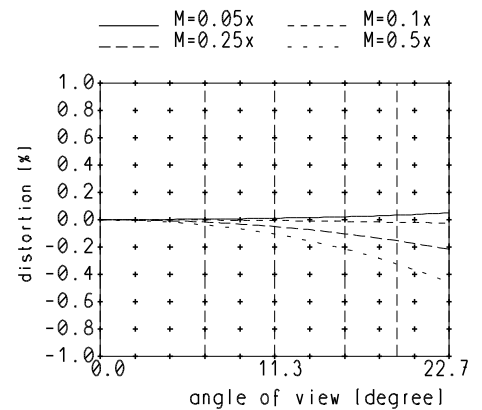
MTF at ratio -0.1x f/ 2.8



MTF at ratio -0.1x f/ 5.6

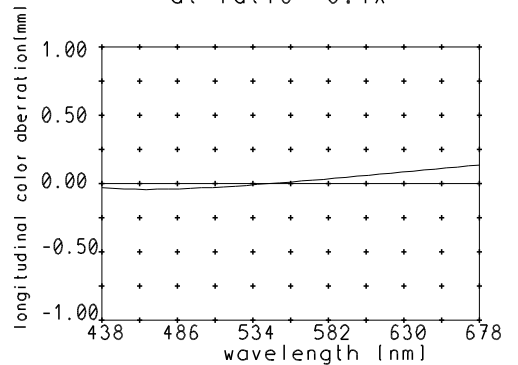


Distortion at ratio 0.05x to 0.5x



— sagittal. o Diffraction limited value  
 — meridional \* Diffraction limited value

Longitudinal color aberration at ratio -0.1x



Named frequencies (line pairs/mm) in modular transfer function (MTF) as well as diagrams of relative light fall-off, distortion and longitudinal color aberration refer to film plane.