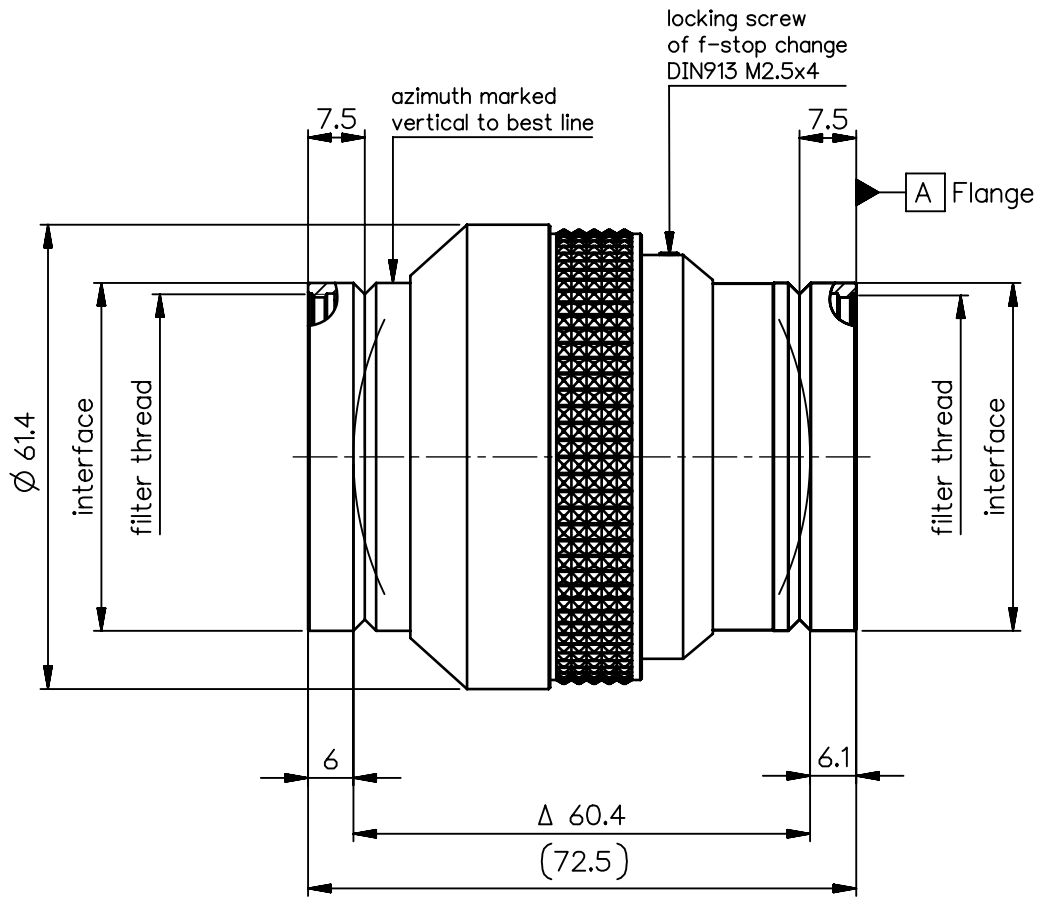
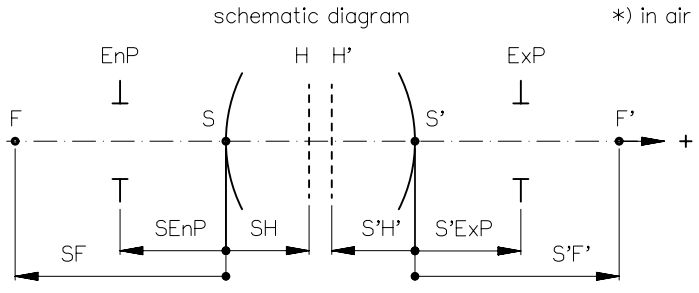


order number	lens name
0703-084-000-20	inspec.x L 5.6/105 -0.5x



<b>Specification</b>		ON	7608-9031
image circle max. (mm)	82	working distance (mm)	228 - 330
focal length f' (mm)	105.4	interface	V-groove Ø46 h7
magnification β' [range]	-0.5 [-0.65 ... -0.4]	filter thread	M43 x0.75
spectral range λ (nm)	400 - 750	weight (g)	370

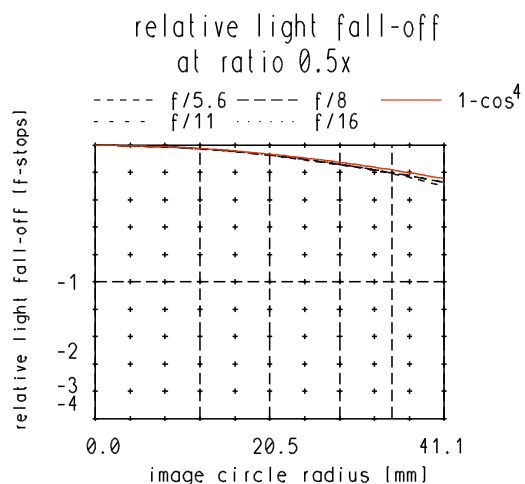
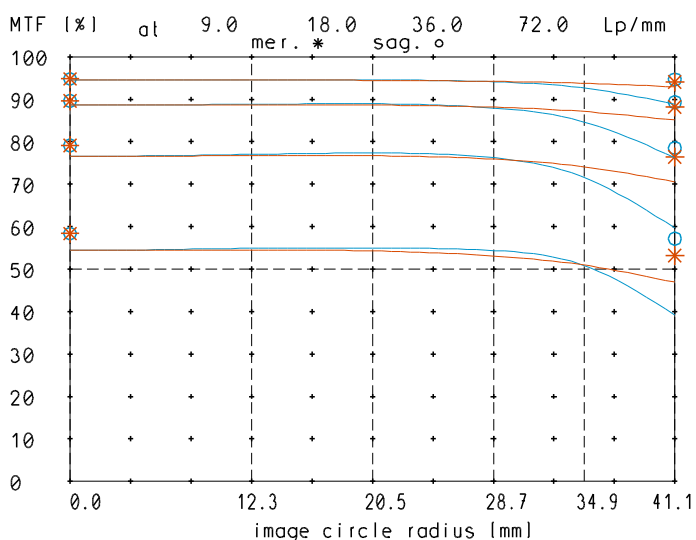


design includes CCD cover glass:		yes 0.76mm D263		
SF (mm)	-72.0	f-stop	Ø EnP	Ø Exp
S'F' (mm) *	71.0	5.6	18.8	18.8
HH' (mm) *	-7.4	8	13.2	13.2
SH (mm)	33.4	11	9.6	9.6
S'H' (mm) *	-34.4	16	6.6	6.6
SEnP (mm)	33.6	22	4.8	4.8
S'Exp (mm) *	-34.2			

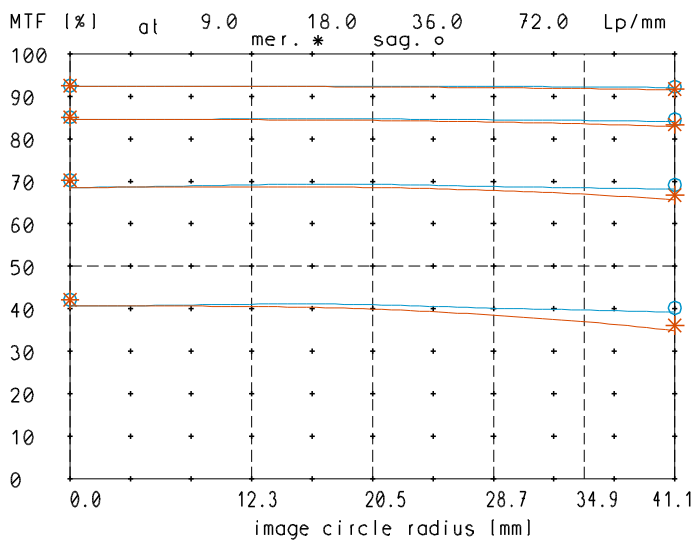
NX PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED	EU-D	AL-T1A	US-D	US-ML	not export controlled	
	REV	ECC	DATE	APPROVED	PDM Status	
	a	Neuausg	19.08.14	Schiffe	Freigabe	-
	b	15-0640	31.07.15	Bo II		
GENERAL TOLERANCE OF DIMENSION, FORM, POS.				SCALE	1:1	
BASIC TOLERANCING PRINCIPLE				TITLE		
				inspec.x L 5.6/105 -0.5x		
FIRST DATE NAME				DRAWING NO.		
ISSUE 19.08.14 Schifferer				0703-084-100-00-0001b		
CHKD 19.08.14 Stauder				SHEET 1		
DIN A 4 ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT				REPLACES		

# Inspec.x\_L\_5.6/105\_0.5x

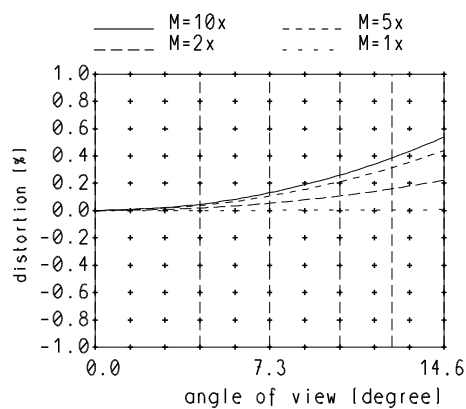
MTF at ratio 0.5x f/ 5.6



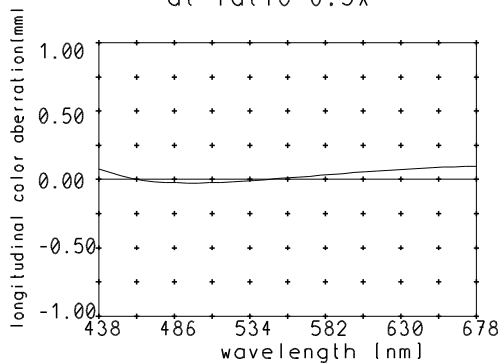
MTF at ratio 0.5x f/ 8



Distortion at ratio 10x to 1x



Longitudinal color aberration at ratio 0.5x



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

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.