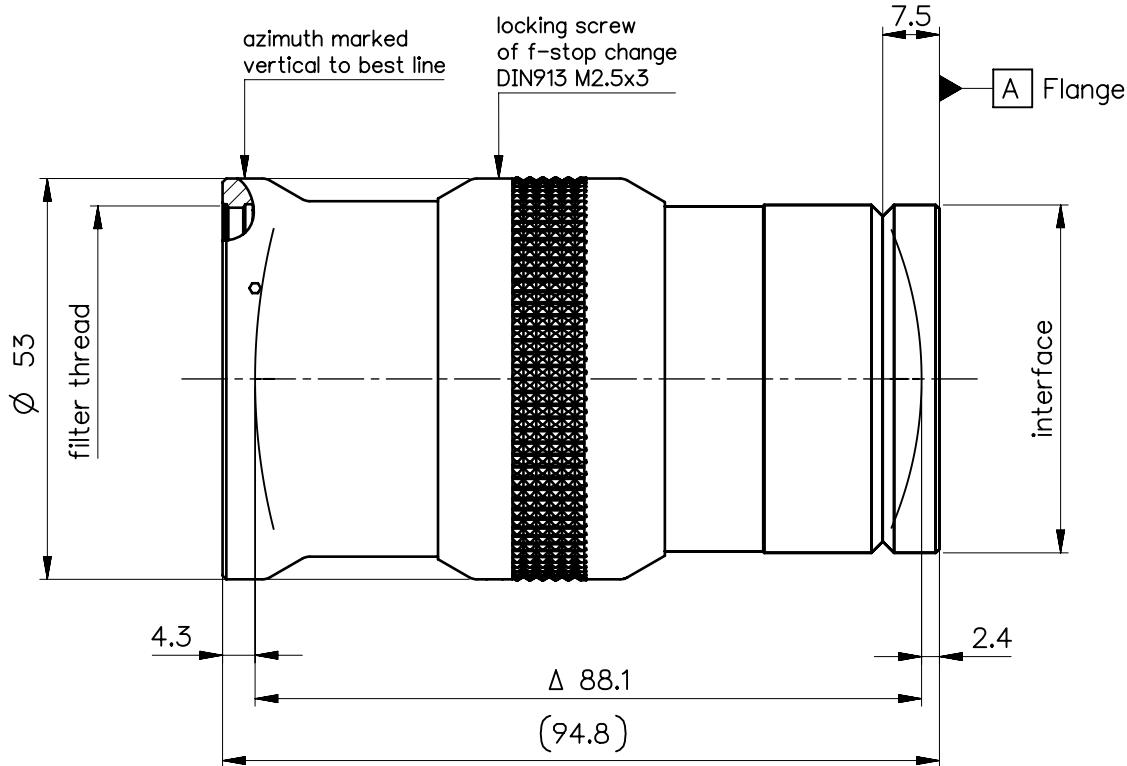
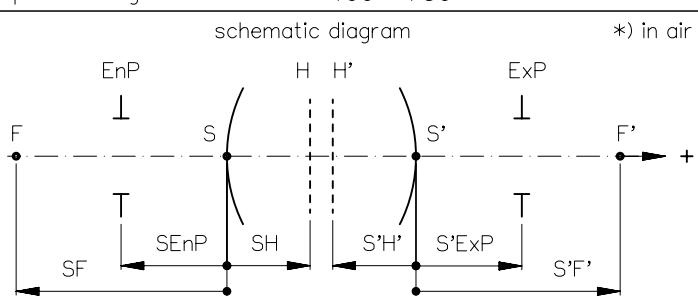


order number	lens name
0703-104-000-20	inspec.x L 4/105 -3x



Specification	ON	7604-9351	
image circle max. (mm)	82	working distance (mm)	84 - 78
focal length f' (mm)	105.3	interface	V-groove $\Phi 46$ h7
magnification β' [range]	-3 [-2.8 ... -3.3]	filter thread	M46 x0.75
spectral range λ (nm)	400 - 750	weight (g)	440



design includes CCD cover glass:	yes	0.4mm Suprasil
SF (mm)	-50.6	f-stop
S'F' (mm) *	40.8	Φ EnP
HH' (mm) *	-31.3	Φ ExP
SH (mm)	54.8	
S'H' (mm) *	-64.5	
SEnP (mm)	56.7	
S'ExP (mm) *	-62.5	

PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED	EU-D		AL-T1A		US-D		US-ML		not export controlled	
	REV	ECC	DATE	APPROVED	GENERAL TOLERANCE OF DIMENSION, FORM, POS.	SURF. TREATMT	PDM Status	Freigabe	-	
	a	Neuausg					SCALE	1:1		
	b	11-358	21.02.12	Kuehne			MATERIAL			
	c	14-0184	19.08.14	Schiffe			BASIC TOLERANCING PRINCIPLE			TITLE inspec.x L 4/105 -3x
	d	15-0640	31.07.15	Boll						
					FIRST	DATE	NAME			
					ISSUE	31.03.10	Labarte			
					CHKD	31.03.10	Schaeffler			
DIN A 4	ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT						DRAWING NO. 0703-104-100-00-0001d		SHEET 1 OF 1	
							REPLACES			

inspec.x_L_4/105_-3x

mono ED= -0.245

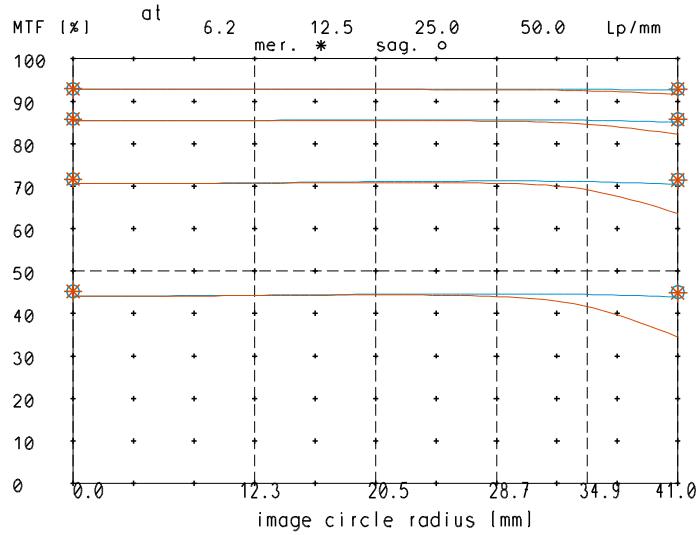
20 x 20 Slr. 1 Lambda. Summe

ratio qa fo

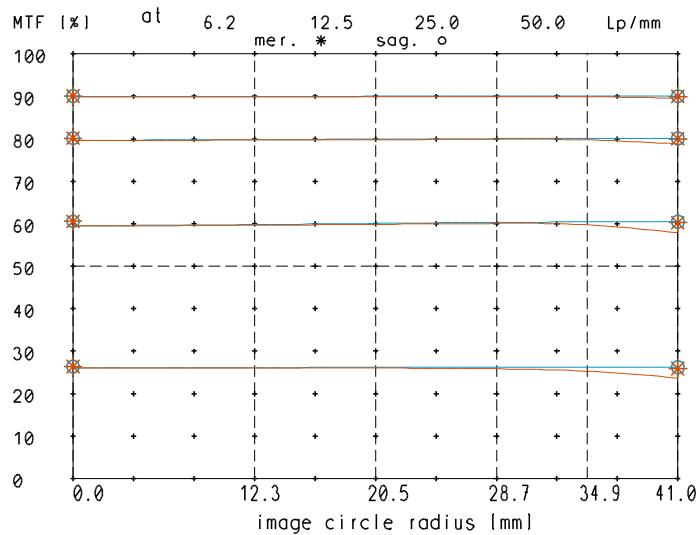
28.10.2014 13:15:28 H-Sys V7.40-Unitx

Ug 33 Stauder

MTF at ratio -3.0 f/ 4.0

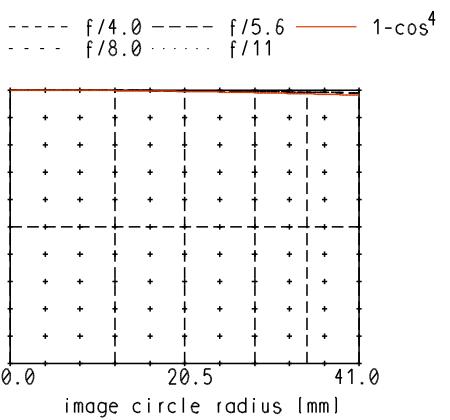


MTF at ratio -3.0 f/ 5.6

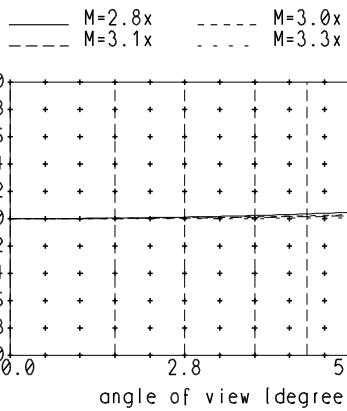


Named frequencies (line pairs/mm) in modular transfer function (MTF) as well as diagrams of relative light fall-off, distortion and longitudinal color aberration refer to film plane.

relative light fall-off at ratio -3.0



Distortion at ratio 2.8x to 3.3x



Longitudinal color aberration at ratio -3.0

