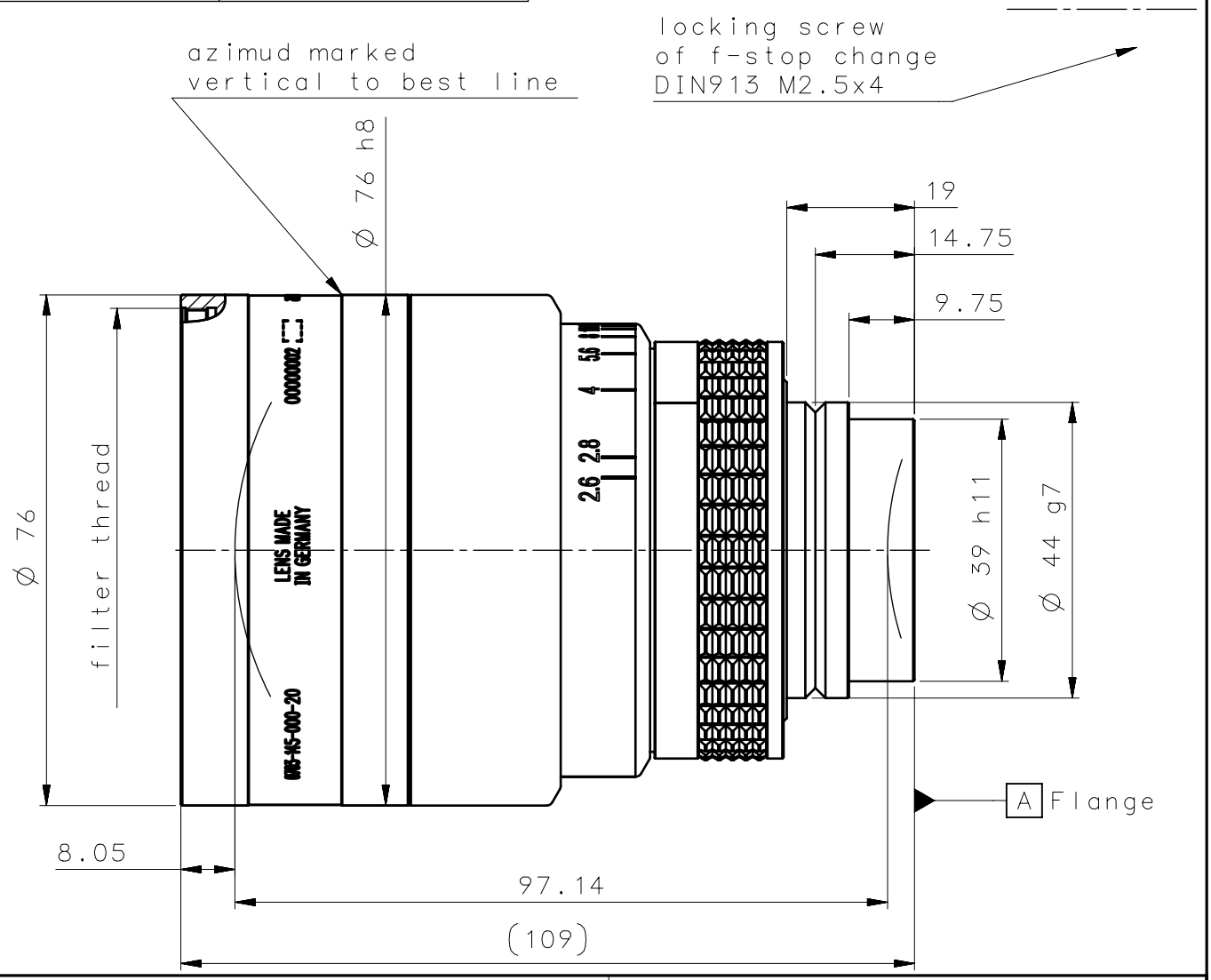
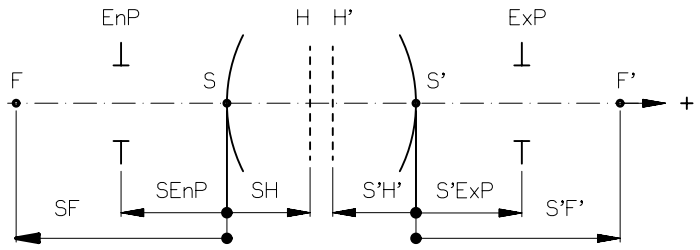
order number	lens name
0703-145-000-20	d.fine HR-M 2.6/50 0.15x



Specification	
image circle max. (mm)	56.8
focal length f' (mm)	50.3
magnification β' [range]	−0.15 [−0.1 ... −0.2]
spectral range λ (nm)	400 – 750

ON	7608-9401
working distance (mm)	250 – 500
interface	V-groove Ø 44
filter thread	M72 x0.75
weight (g)	800
design includes CCD cover glass:	yes 0.76mm D263

schematic diagram *) in air



		f-stop	Ø EnP	Ø ExP
SF (mm)	1.7			
S'F' (mm) *)	40.9	2.6	18.8	20.5
HH' (mm) *)	35.8	4	12.4	13.5
SH (mm)	52	5.6	8.9	9.7
S'H' (mm) *)	-9.4	8	6.2	6.8
SEnP (mm)	47.8	11	4.5	4.9
S'ExP (mm) *)	-13.9	16	3.1	3.4

NX

PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED

DIN A 4

EU-D	AL-T1A	US-D	US-ML	not export controlled
			PDM Status in Arbeit	-

REV	ECC	DATE	APPROVED
a	Neuausg	01.06.22	Georgie

GENERAL TOLERANCE OF DIMENSION, FORM, POS.

SURF. TREATMT

SCALE 1:1

MATERIAL

BASIC TOLERANCING PRINCIPLE ISO 8015

FIRST ISSUE	DATE	NAME
	01.06.22	Georgiev
CHKD	XX.07.22	Stauder

TITLE

d.fine HR-M 2.6/50 0.15x

ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT

QIOPTIQ

DRAWING NO. 0703-145-100-20-0001a

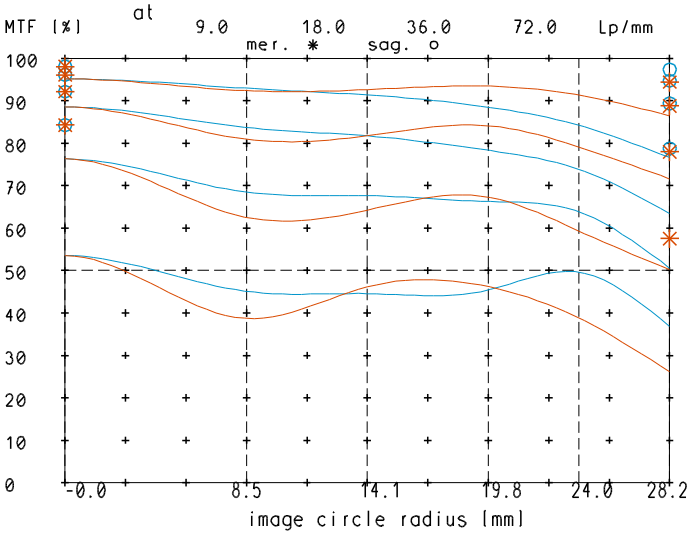
SHEET 1 OF 1

REPLACES

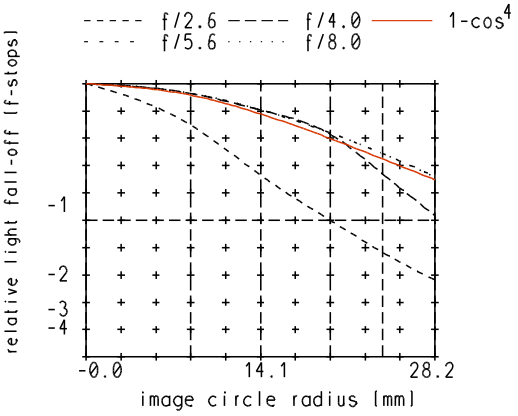
d.fine_HR-M_2.6_50_mag=-0.15

Us 33 Stauder 14.07.2022 13:16:10 H-Sys V8.60-Unix qafo qa fo 25 x 25 Str. 1 lambda. Summe mono ED- -0.090

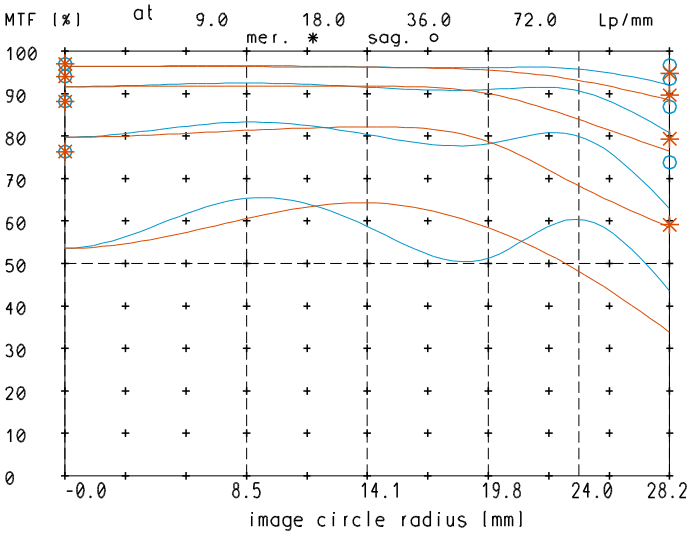
MTF at ratio 0.15x f/ 2.6



relative light fall-off at ratio 0.15x



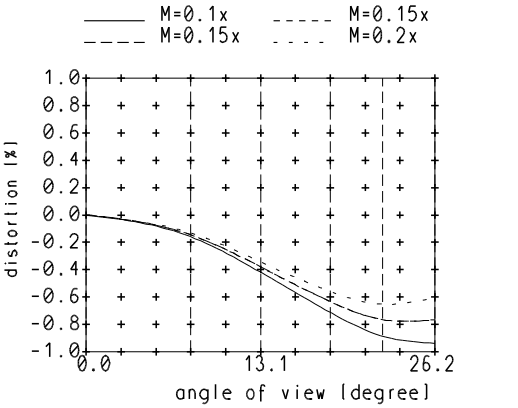
MTF at ratio 0.15x f/ 4



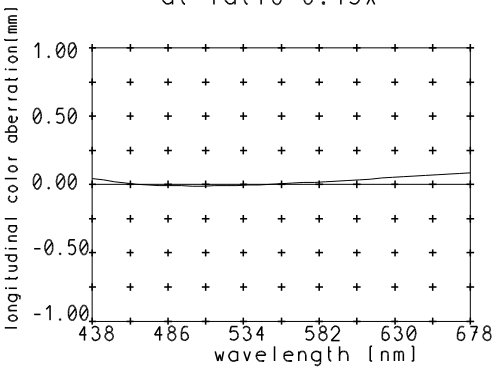
sagittal, o Diffraction limited value

meridional * Diffraction limited value

Distortion at ratio 0.1x to 0.2x



Longitudinal color aberration at ratio 0.15x



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.