ZEISS Biogon T* 2.8/21 M42-I

Features

- f/2.8 aperture
- Precise manual focusing
- Robust full-metal construction
- Fixation for focus and aperture
- Outstanding image quality
- Compact and lightweight
- For industrial cameras up to sensor sizes of 24x36 mm or 43mm line sensors

M42-I: Industrial Edition
Features special screws to fix focus and aperture settings even in rough situations.

Camera Mount
Available with M42-Mount.

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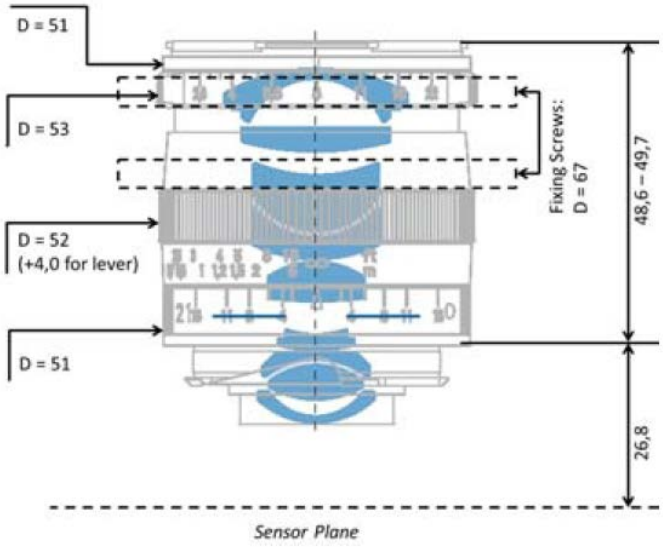
Technical Specifications



Focal length	21 mm
Aperture range	f/2.8 – f/22 (1/ 3 stop intervals)
Number of elements / groups	9 / 7
Focusing range	0.5 m- infinity
Min. free working distance	420 mm (1.38 ft.)
Angular field* (diag. / horiz. / vert.)	90 / 80 / 58°
Max. diameter of image field	43 mm (1.7")
Flange focal distance	M-42I: 26.8 mm
Coverage at close range*	47 x 71 cm
Image ratio at close range	1:21
Filter-thread	M 46 x 0.75
Weight	300 g (0.66 lbs)
Length	64 mm
Camera mount	M42-I

* referring to 24x36mm sensor format

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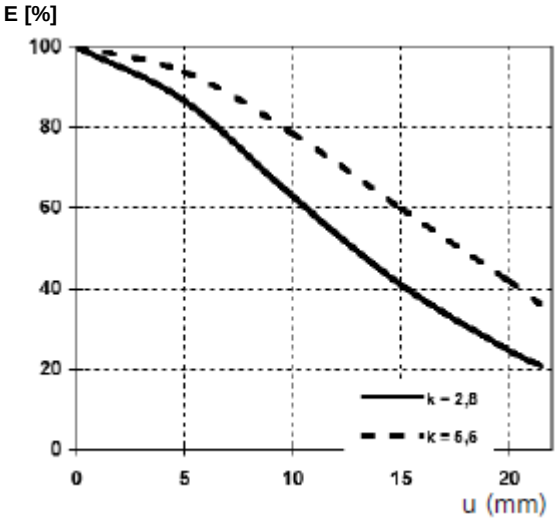
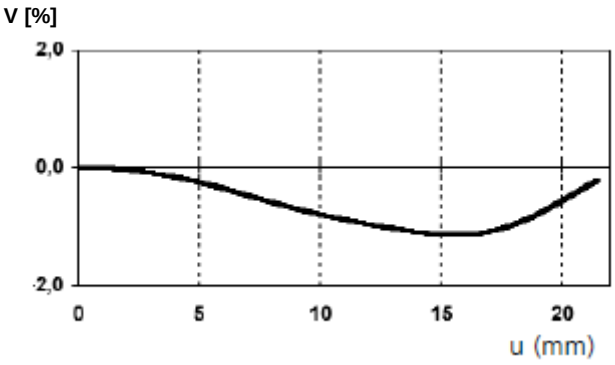
Relative Illuminance*



The relative illumination shows the decrease in image brightness from the image center to the edge in percent.

__ f-number 2.8
… f-number 5.6

Relative Distortion*



The relative distortion shows the deviation of the actual image height from the ideal one in percent.

* data for infinite focus setting

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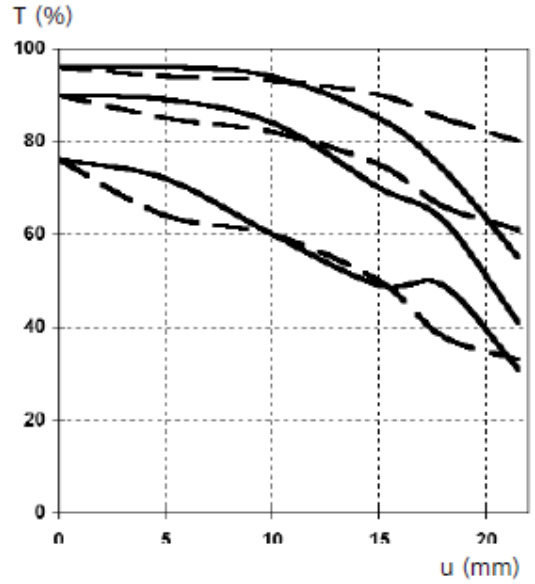
MTF Charts*

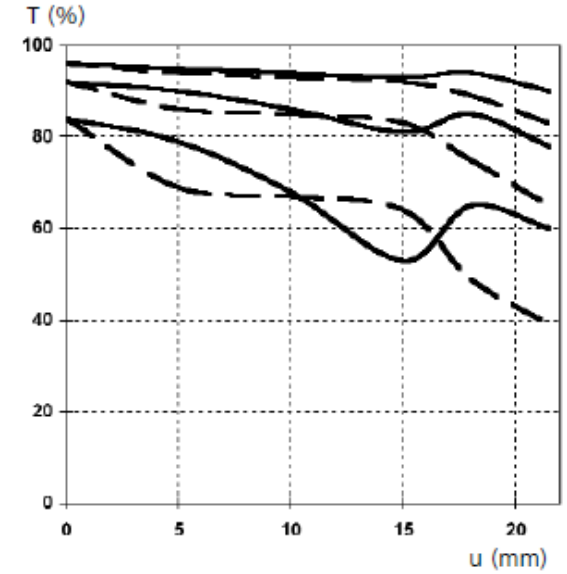
MTF [%] k=2.8



The Modulation Transfer (MTF) as a function of image height (u) and slit orientation (sagittal, tangential) has been measured with white light at spatial frequencies of R = 10, 20 and 40 cycles/mm. The MTF charts are valid for the ZM-version and for white light.

f-number 2.8
__ Sagittal
… Tangential

MTF [%] k=5.6



f-number 5.6
__ Sagittal
… Tangential

* data for infinite focus setting