

► Lenses from ZEISS

Offering optical performance and excellent mechanical precision, the manual focus ZF lenses with Nikon F mount are ideal for use in industrial applications.

The features offered by these lenses make them perfect for industrial imaging, allowing them to produce very high image quality, colour reproduction and clarity. By using glass with excellent partial dispersion properties and a high refractive power, these lenses deliver images completely free of colour fringes. The optical features and the consistent quality of the mount mechanics, combined with the special lens coatings used in their construction deliver excellent reflection absorption.

ZEISS lenses are available in a very wide range of focal lengths and versions, which are indicated in the different final digits of the product name. Models ending with ZF have an F-mount, whilst those ending in ZS have an M42x1 mount and both are also available as industrial versions (ending in an addi-

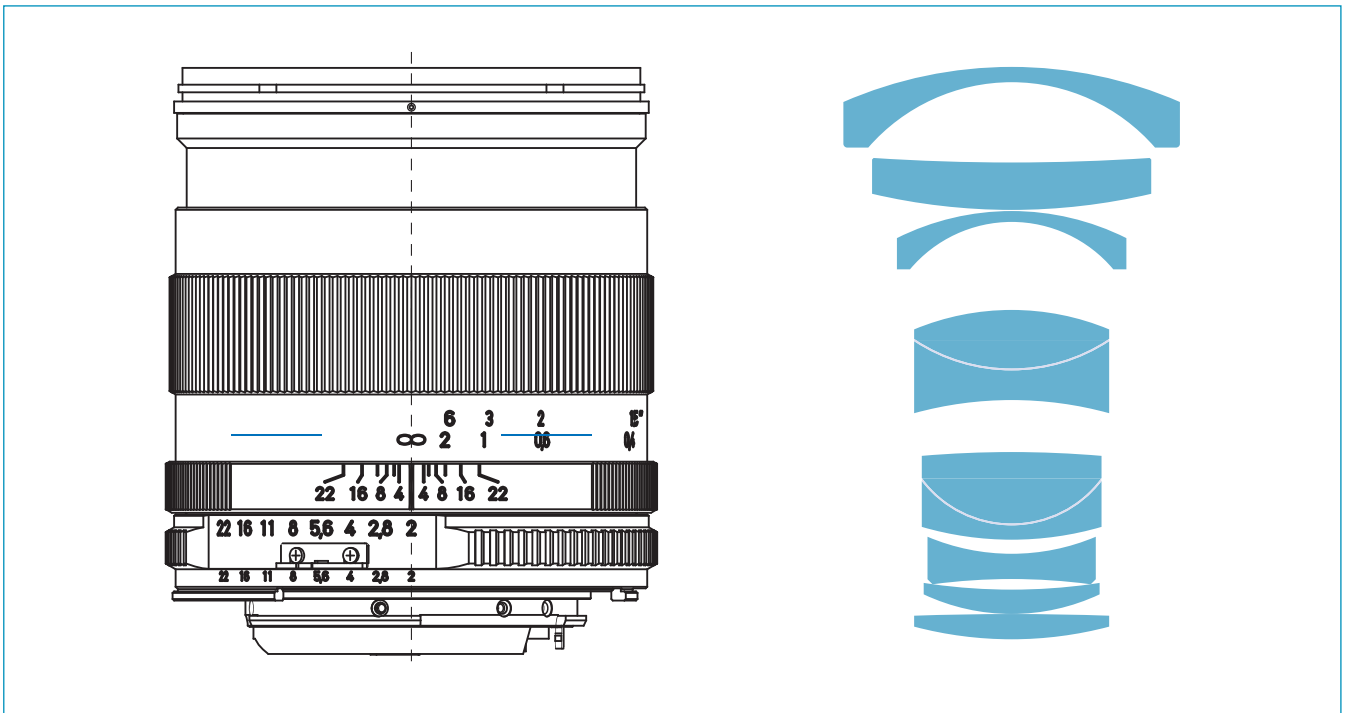


Industrial versions of the ZEISS lenses



tional "-I"). The aperture setting and the focus can be secured with five fixing screws on the industrial versions.

Industrial infrared lenses are available in a range of focal lengths for applications in the near IR spectrum (ending: ZF-IR-I). A special coating is applied to these lenses that transmits wave lengths of up to 1100nm, and the focal scale is adapted to this range of wave lengths.



Structure of the ZEISS DISTAGON T 2/28 ZF lens



► Models available

MODEL	IMAGE FIELD	IMAGE CIRCLE DIAMETER	RELATIVE APERTURE	MINIMUM FOCUS DISTANCE	FILTER THREAD	CAMERA MOUNT	REMARKS
FOCAL LENGTH 18 mm							
ZEISS DISTAGON T 3,5/18 ZF	(24 x 36) mm ²	Ø 43 mm	F 3.5	300 mm	M82 x 0.75	F-mount	
ZEISS DISTAGON T 3,5/18 ZF-I ¹⁾	(24 x 36) mm ²	Ø 43 mm	F 3.5	300 mm	M82 x 0.75	F-mount	
FOCAL LENGTH 21 mm							
ZEISS DISTAGON T 2,8/21 ZF	(24 x 36) mm ²	Ø 43 mm	F 2.8	220 mm	M82 x 0.75	F-mount	Plans for industrial variants
FOCAL LENGTH 25 mm							
ZEISS DISTAGON T 2,8/25 ZF	(24 x 36) mm ²	Ø 43 mm	F 2.8	170 mm	M58 x 0.75	F-mount	
ZEISS DISTAGON T 2,8/25 ZF-I ¹⁾	(24 x 36) mm ²	Ø 43 mm	F 2.8	170 mm	M58 x 0.75	F-mount	
ZEISS DISTAGON T 2,8/25 ZS	(24 x 36) mm ²	Ø 43 mm	F 2.8	170 mm	M58 x 0.75	M42x1-mount	45.5 mm flange focal length
ZEISS DISTAGON T 2,8/25 ZS-I ¹⁾	(24 x 36) mm ²	Ø 43 mm	F 2.8	170 mm	M58 x 0.75	M42x1-mount	45.5 mm flange focal length
ZEISS DISTAGON T 2,8/25 ZF-IR-I ^{1) 2)}	(24 x 36) mm ²	Ø 43 mm	F 2.8	170 mm	M58 x 0.75	F-mount	IR adjusted to 1100 nm
FOCAL LENGTH 28 mm							
ZEISS DISTAGON T 2/28 ZF	(24 x 36) mm ²	Ø 43 mm	F 2.0	240 mm	M58 x 0.75	F-mount	
ZEISS DISTAGON T 2/28 ZF-I ¹⁾	(24 x 36) mm ²	Ø 43 mm	F 2.0	240 mm	M58 x 0.75	F-mount	
FOCAL LENGTH 35 mm							
ZEISS DISTAGON T 2,0/35 ZF	(24 x 36) mm ²	Ø 43 mm	F 2.0	300 mm	M58 x 0.75	F-mount	
ZEISS DISTAGON T 2,0/35 ZF-I ¹⁾	(24 x 36) mm ²	Ø 43 mm	F 2.0	300 mm	M58 x 0.75	F-mount	
ZEISS DISTAGON T 2,0/35 ZS	(24 x 36) mm ²	Ø 43 mm	F 2.0	300 mm	M58 x 0.75	M42x1-mount	45.5 mm flange focal length
ZEISS DISTAGON T 2,0/35 ZS-I ¹⁾	(24 x 36) mm ²	Ø 43 mm	F 2.0	300 mm	M58 x 0.75	M42x1-mount	45.5 mm flange focal length
FOCAL LENGTH 50 mm							
ZEISS PLANAR T 1,4/50 ZF	(24 x 36) mm ²	Ø 43 mm	F 1.4	450 mm	M58 x 0.75	F-mount	
ZEISS PLANAR T 1,4/50 ZF-I ¹⁾	(24 x 36) mm ²	Ø 43 mm	F 1.4	450 mm	M58 x 0.75	F-mount	
ZEISS PLANAR T 1,4/50 ZF-IR-I ^{1) 2)}	(24 x 36) mm ²	Ø 43 mm	F 1.4	450 mm	M58 x 0.75	F-mount	IR adjusted to 1100 nm
ZEISS PLANAR T 1,4/50 ZS	(24 x 36) mm ²	Ø 43 mm	F 1.4	450 mm	M58 x 0.75	M42x1-mount	45.5 mm flange focal length
ZEISS PLANAR T 1,4/50 ZS-I ¹⁾	(24 x 36) mm ²	Ø 43 mm	F 1.4	450 mm	M58 x 0.75	M42x1-mount	45.5 mm flange focal length
ZEISS PLANAR T 2,0/50 ZF MACRO	(24 x 36) mm ²	Ø 43 mm	F 2.0	240 mm	M67 x 0.75	F-mount	Macro lens
ZEISS PLANAR T 2,0/50 ZF-I MACRO ¹⁾	(24 x 36) mm ²	Ø 43 mm	F 2.0	240 mm	M67 x 0.75	F-mount	Macro lens
FOCAL LENGTH 85 mm							
ZEISS PLANAR T 1,4/85 ZF	(24 x 36) mm ²	Ø 43 mm	F 1.4	1,000 mm	M72 x 0.75	F-mount	
ZEISS PLANAR T 1,4/85 ZF-I ¹⁾	(24 x 36) mm ²	Ø 43 mm	F 1.4	1,000 mm	M72 x 0.75	F-mount	
ZEISS PLANAR T 1,4/85 ZF-IR-I ^{1) 2)}	(24 x 36) mm ²	Ø 43 mm	F 1.4	1,000 mm	M72 x 0.75	F-mount	IR adjusted to 1100 nm
FOCAL LENGTH 100 mm							
ZEISS PLANAR T 2,0/100 ZF MACRO	(24 x 36) mm ²	Ø 43 mm	F 2.0	440 mm	M67 x 0.75	F-mount	Macro lens
ZEISS PLANAR T 2,0/100 ZF-I MACRO ¹⁾	(24 x 36) mm ²	Ø 43 mm	F 2.0	440 mm	M67 x 0.75	F-mount	Macro lens

1) Industrial version (focus and aperture fixed with five screws)

2) Infrared lens