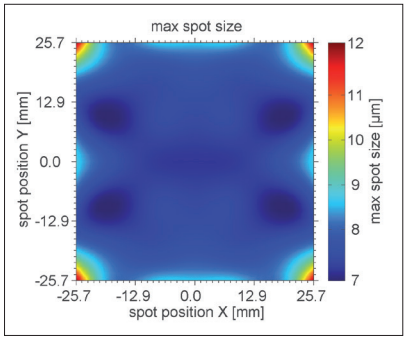
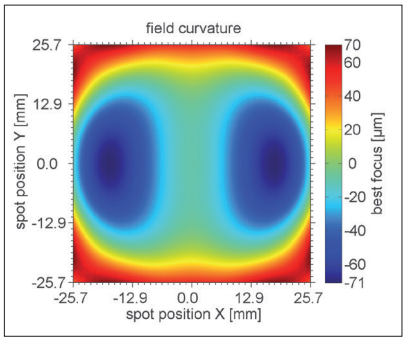
F-Theta JENar™ Silverline™ Lens
High Power Lens – JENar™ 103-355-71

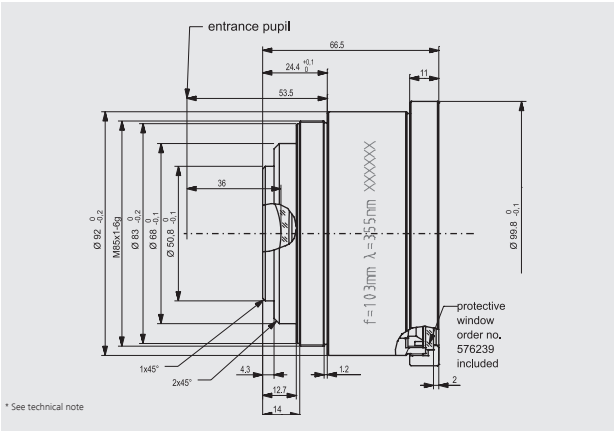
Parameters	JENar™ 103-355-71 Telecentric fused silica lens
Focal length:	103 mm
Wavelength:	355 nm
Scan field (X x Y); Ø:	(50 mm x 50 mm); 71 mm
Diagonal scan angle:	± 20.1°
X/Y mirror angle:	± 7.2°
Back working distance:	134.85 mm
Flange focus distance:	176.95 mm
Input beam Ø 1/e²:	9 mm
Focus size Ø 1/e²:	8 µm
a1 | a2:	14 mm | 46.5 mm
Telecentricity (only F-Theta | with scanner):	2.4° | 2.8°
Group delay dispersion (GDD)*:	5670 fs²
LIDT coating pulsed; CW*:	1.0 J/cm² * (τ/[ns]) ^ 0.40; 1.0 MW/cm²
LIDT system pulsed; CW*:	not available yet
Weight:	0.7 kg
Order Number:	017700-402-26

Spot properties

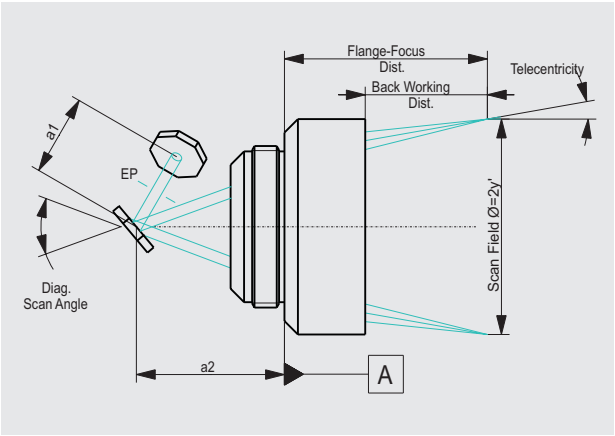




Specifications
JENar™ 103-355-71



Definition of geometrical parameters



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The data given are nominal values for the specified application parameters. Jenoptik provides Zemax® BlackBox files for simulating application results for customized parameters (e.g. wavelength, scanner geometry, beam diameter, …).
Back working distance, Flange focus distance, and focal length vary by ± 1.5 % due to manufacturing variances.

It is our policy to constantly improve the design and specifications. Accordingly, the details represented herein cannot be regarded as final and binding.