

[See all 12 Products in Family](#)

# 160mm, 1030-1080nm JENar™ Silverline™ F-Theta Scanning Lens

See More by [Jenoptik](#)



Stock #16-769 **1 In Stock**

MRP ₹4,92,237

**!** Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1+	₹4,92,237 each
Need More?	<a href="#">Request Quote</a>

## Product Downloads

### General

017700-025-26 **Model Number:**

JENar Silverline F-Theta **Type:**

**#17-693:** One Included **Protective Window:**

Jenoptik **Manufacturer:**

### Physical & Mechanical Properties

119.8 +0/-0.2	<b>Maximum Diameter (mm):</b>
1080	<b>Weight (g):</b>
±7.1	<b>X/Y Mirror Angle (°):</b>
267.6	<b>Flange Distance (mm):</b>
14	<b>Input Beam Diameter, 1/e<sup>2</sup> (mm):</b>
100	<b>Maximum Length (mm):</b>

## Optical Properties

160.00	<b>Focal Length FL (mm):</b>
<a href="#">Fused Silica</a> (Corning 7980)	<b>Substrate:</b> <input type="checkbox"/>
±20	<b>Scan Angle (°):</b>
78 x 78	<b>Scan Field (mm):</b>
F-Theta Only: 5.20 With Scanner: 5.40	<b>Telecentricity (°):</b>
183.6	<b>Working Distance (mm):</b>
1030 - 1080	<b>Wavelength Range (nm):</b>
5.0 J/cm <sup>2</sup> * (τ/[ns]) <sup>0.30</sup> 5.0 MW/cm <sup>2</sup>	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>
110	<b>Scan Field Diameter (mm):</b>
22	<b>Focus Size Diameter, 1/e<sup>2</sup> (μm):</b>
759	<b>GDD Specification (fs<sup>2</sup>):</b>
5.0 J/cm <sup>2</sup> * (τ/[ns]) <sup>0.30</sup>	<b>Damage Threshold, Pulsed:</b>
5.0 MW/cm <sup>2</sup>	<b>Damage Threshold, CW:</b>

## Threading & Mounting

M85 x 1	<b>Mounting Threads:</b>
---------	--------------------------

## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
Lithuania	<b>Country of Origin:</b>
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	<b>Imported By:</b>

## Product Details

- Low-Absorption Fused Silica Substrates for High-Power Laser Applications
- Large Scan Fields Up to 328mm x 328mm
- High Damage Thresholds and Low Telecentricity Errors
- [Jenoptik JENar™ F-Theta Scanning Lenses](#) Also Available

Jenoptik JENar™ Silverline™ F-Theta Scanning Lenses provide flat field at the image plane and feature low-absorption fused silica substrates, making them suitable for high-power laser applications. These F-Theta lenses offer high damage thresholds to handle beam powers of up to four kilowatts without active cooling and are available in various wavelengths ranging from 266nm to 1100nm. With large processing areas up to 328mm x 328mm, low telecentricity errors, and diffraction-limited image quality, these lenses allow for high spot consistency and increased throughput over the entire scanning range. With their patented stackable mounting technology, these lenses compensate for thermal stresses and improve the stability of the optical components, ensuring high-precision adjustment and position control in OEM systems. Jenoptik JENar™ Silverline™ F-Theta Scanning Lenses were specially developed for applications requiring high-power and short-pulse Nd:YAG, Yb:doped, and fiber laser sources and are used in conjunction with [galvanometers](#) and [beam expanders](#).

Contact us if your application requires [Jenoptik JENar™ F-Theta Scanning Lenses](#) or Jenoptik JENar™ Silverline™ F-Theta Scanning Lenses not shown on our website.