

# F $\theta$ lens

## For fiber laser

F $\theta$  lens is used when a galvano mirror or polygon mirror is used to scan a laser beam in two dimensions.

The lens distortion characteristic is used to scan the focused spot of the beam scanned by the mirror's constant velocity rotational motion at a uniform speed on the focal plane.

### Features

- ◎ **Good focus spot characteristics** with minimal aberration
- ◎ **Interchangeable window** protects the lens from scattered objects generated from the workpiece

**Able to customize other wavelengths, multiple wavelengths, long working distances, wide scan areas, etc.**

### Use

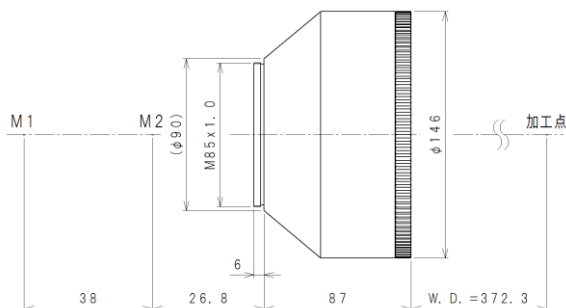
- ◎ High-speed drilling of printed wiring boards
- ◎ High-speed marking of electronic components
- ◎ High-speed marking of resin parts
- ◎ Laser processing
- ◎ Laser drilling
- ◎ Laser welding of synthetic materials
- ◎ Laser cutting



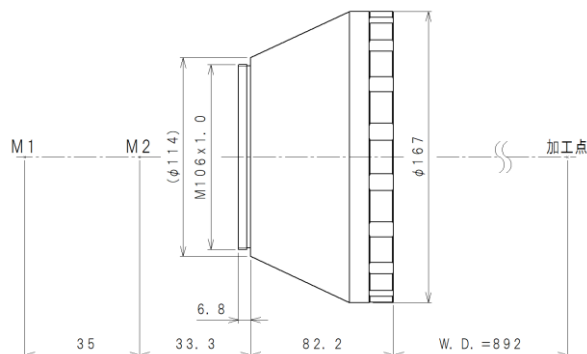
### Specification

Model	FT300/5-1080F	FT800/22-1080F
Wavelength	1060-1100nm	1060-1100nm
Focal length	306mm	803mm
Scanning range	φ212mm	φ792mm
Beam diameter	Φ28.9mm	φ24mm
Working distance	372.3mm	892mm
Window model No.	FT300/5-1080F-CG	FT800/22-1080F-CG

### Dimensions



FT300/5-1080F



FT800/22-1080F

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Optical components, optical systems, lasers



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