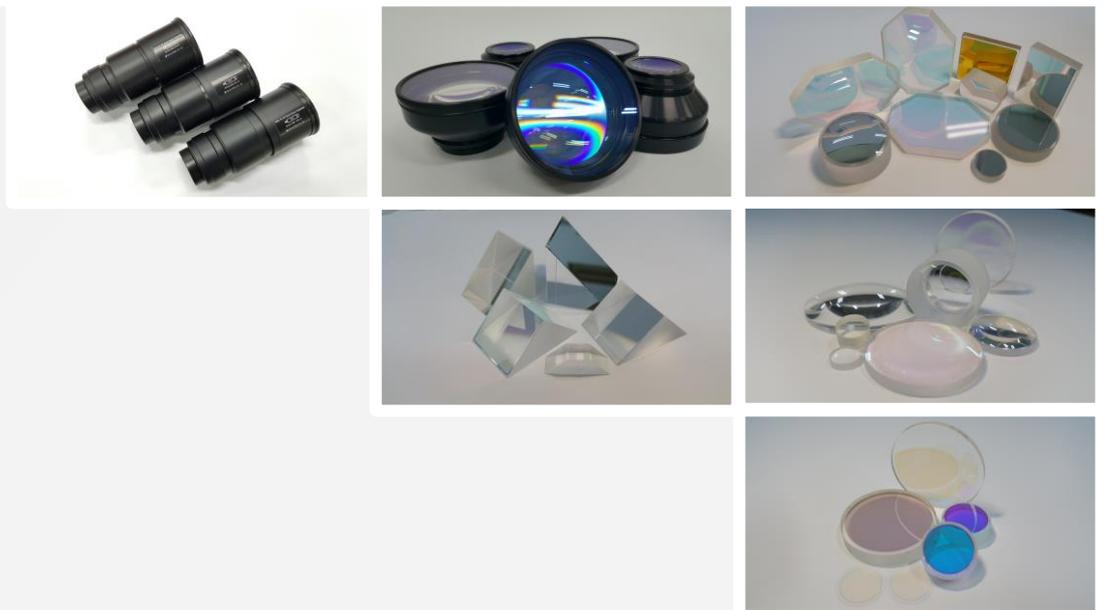
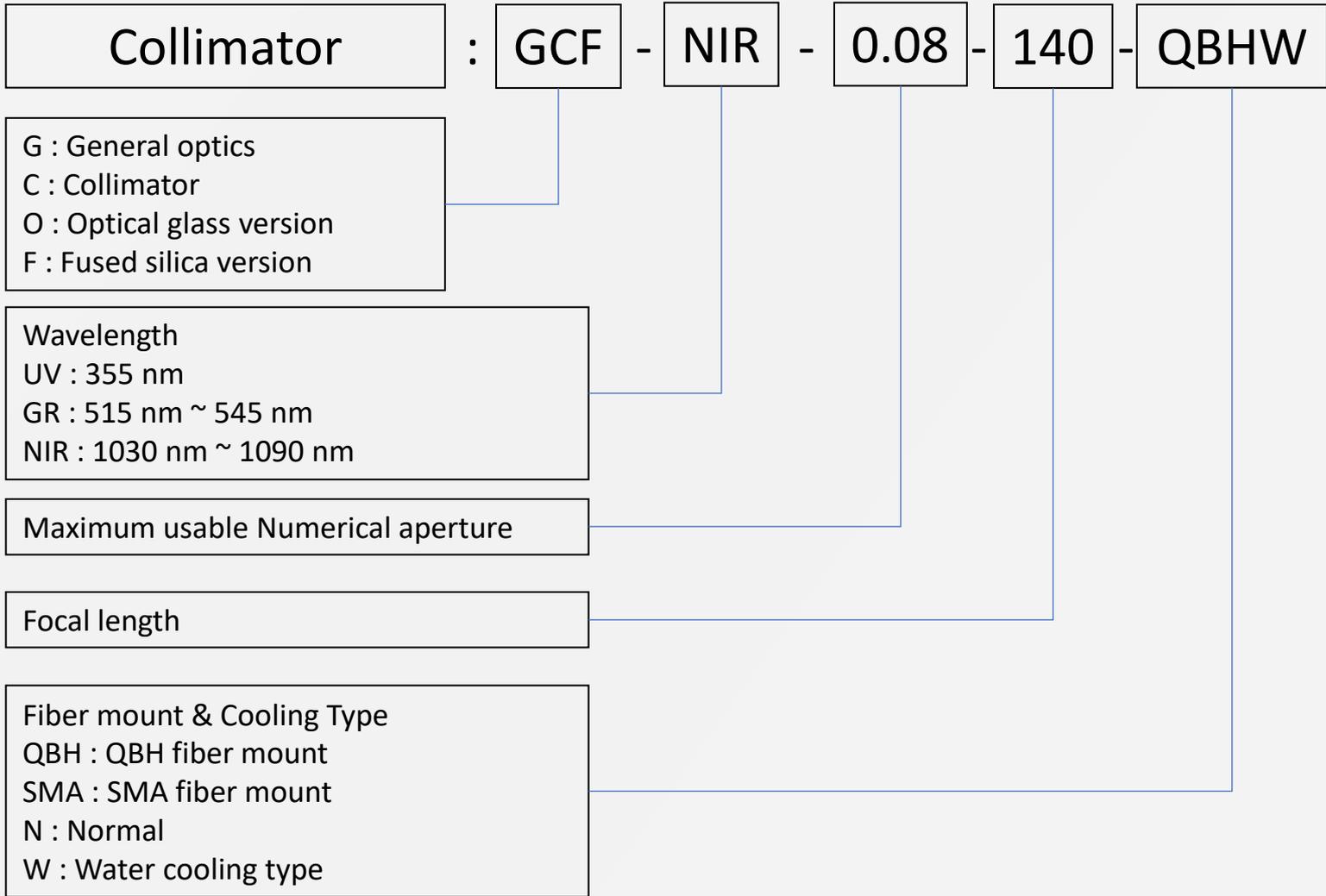




# NIR Collimator Catalog



# Collimator Selection Guide



- Extended version is possible by the needs of the customers.

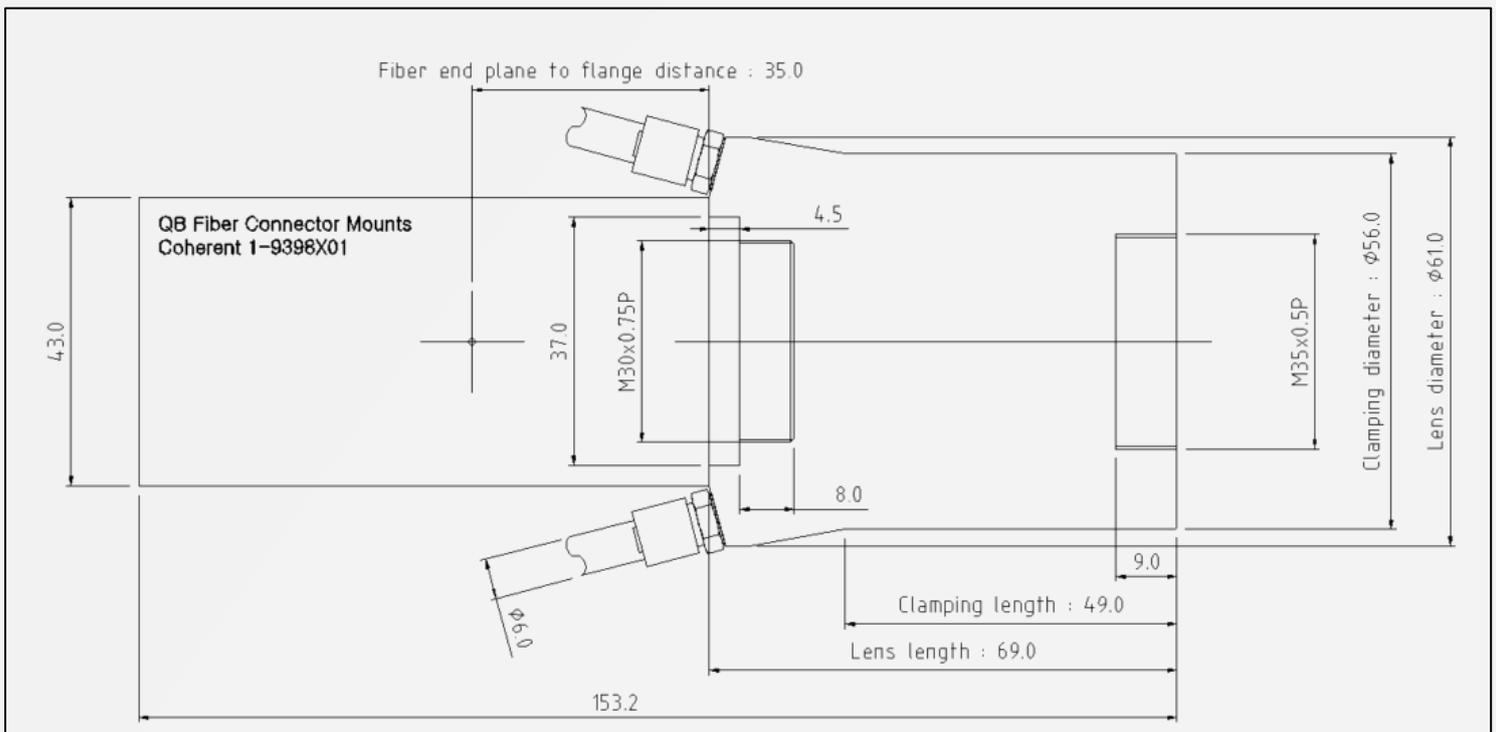
# Product list

<b>Model name</b>	<b>Max. Usable Numerical aperture</b>	<b>Effective focal length</b>	<b>Page number</b>
GCF-NIR-0.13-85-QBHN	0.13	85 mm	04 page
GCF-NIR-0.13-85-QBHW	0.13	85 mm	05 page
GCF-NIR-0.13-100-QBHN	0.13	100 mm	06 page
GCF-NIR-0.13-100-QBHW	0.13	100 mm	07 page
GCF-NIR-0.22-100-QBHN	0.22	100 mm	08 page
GCF-NIR-0.22-100-QBHW	0.22	100 mm	09 page
GCF-NIR-0.18-120-QBHN	0.18	120 mm	10 page
GCF-NIR-0.18-120-QBHW	0.18	120 mm	11 page
GCF-NIR-0.16-140-QBHN	0.16	140 mm	12 page
GCF-NIR-0.16-140-QBHW	0.16	140 mm	13 page



# GCF-NIR-0.13-85-QBHW

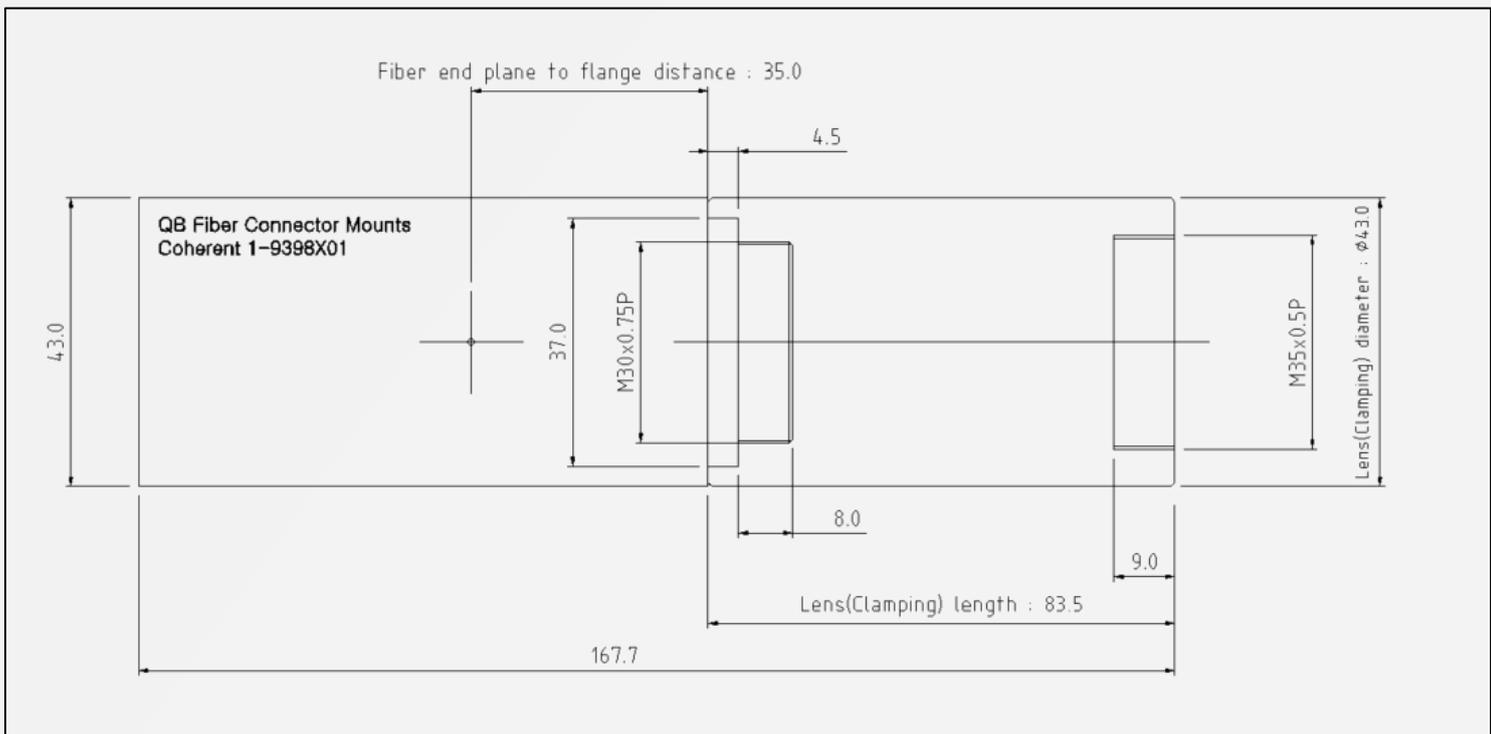
Specifications	GCF-NIR-0.13-85-QBHW
Design wavelength	1070 nm
Material	Fused Silica
Effective focal length	85 mm
Max. Numerical aperture	0.13
Max. Clear aperture	23.4 mm $\emptyset$
Lens diameter	61 mm $\emptyset$
Lens length	69 mm without Fiber connector
Cooling Type	Water
Water Tube outside diameter	6 mm $\emptyset$
Mount	56 mm $\emptyset$ Clamping Or M35 X P0.5 thread
Compatible QBH connector	1-9398X01(Coherent)
Weight	-



- Layout is different from actual product, please refer to dimension only.
- Focal length tolerance :  $\pm$  1.5%

# GCF-NIR-0.13-100-QBHN

Specifications	GCF-NIR-0.13-100-QBHN
Design wavelength	1070 nm
Material	Fused Silica
Effective focal length	100 mm
Max. Numerical aperture	0.13
Max. Clear aperture	28.0 mm $\varnothing$
Lens diameter	43 mm $\varnothing$
Lens length	83.5 mm without Fiber connector
Cooling Type	Normal
Water Tube outside diameter	None
Mount	43 mm $\varnothing$ Clamping Or M35 X P0.5 thread
Compatible QBH connector	1-9398X01(Coherent)
Weight	-

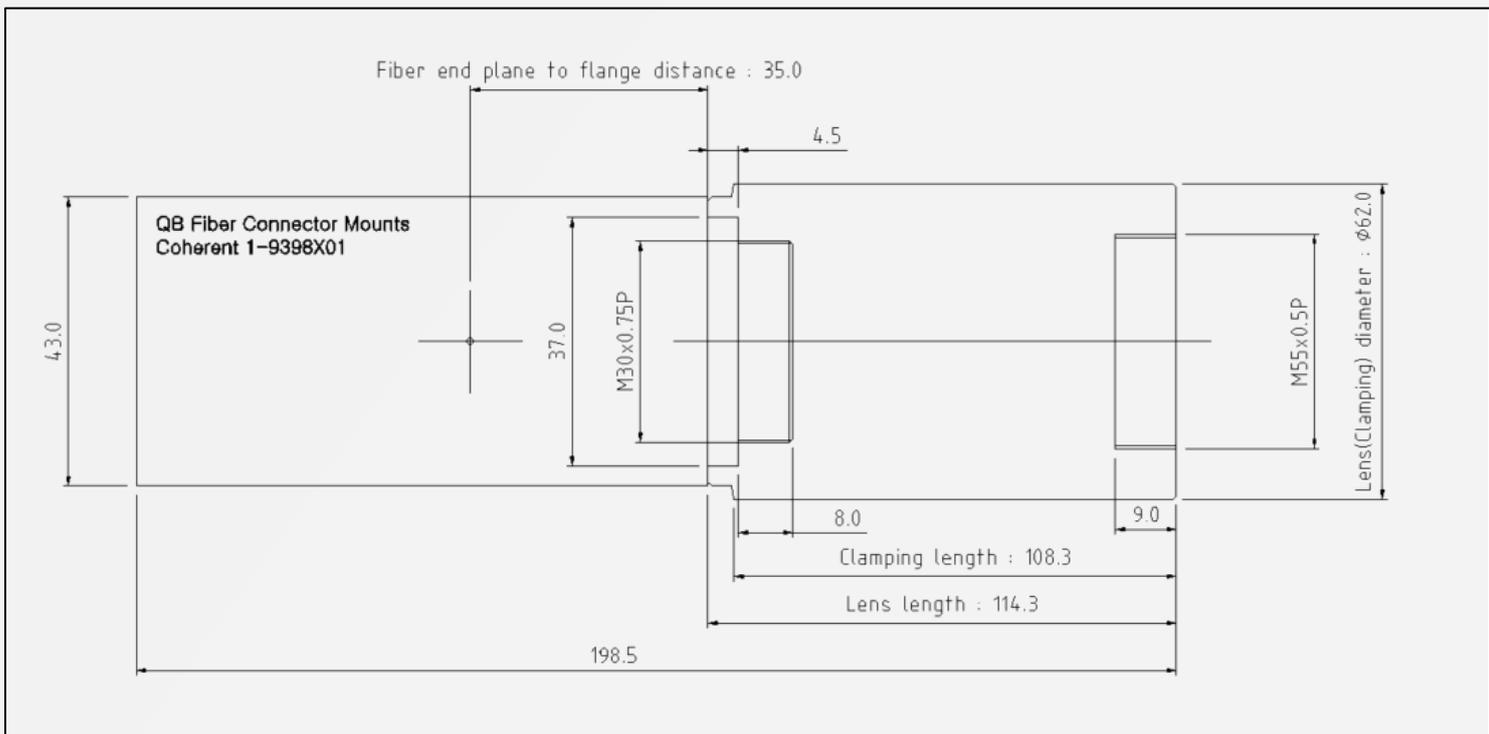


- Layout is different from actual product, please refer to dimension only.
- Focal length tolerance :  $\pm 1.5\%$



# GCF-NIR-0.22-100-QBHN

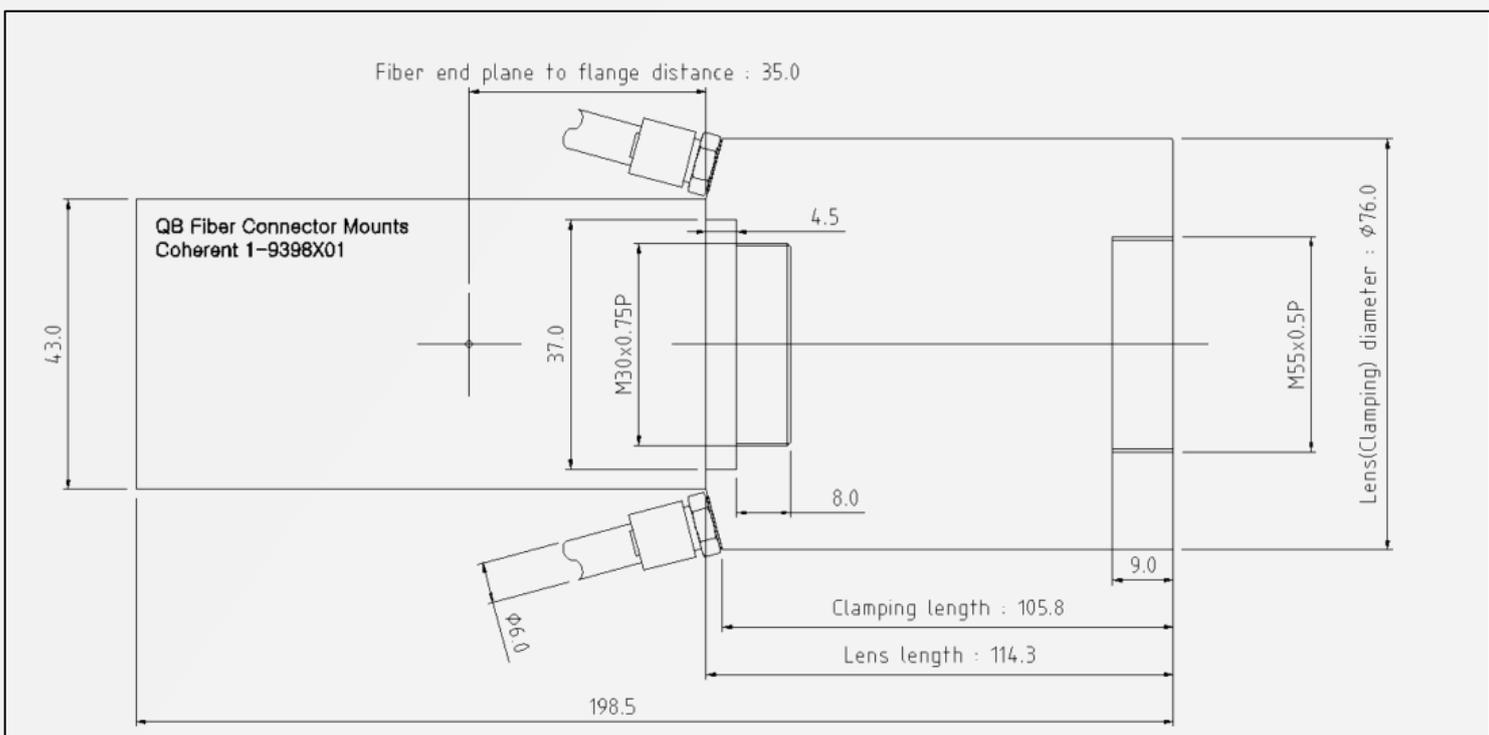
Specifications	GCF-NIR-0.22-100-QBHN
Design wavelength	1070 nm
Material	Fused Silica
Effective focal length	100 mm
Max. Numerical aperture	0.22
Max. Clear aperture	47.5 mm $\emptyset$
Lens diameter	62 mm $\emptyset$
Lens length	114.3 mm without Fiber connector
Cooling Type	Normal
Water Tube outside diameter	None
Mount	62 mm $\emptyset$ Clamping Or M55 X P0.5 thread
Compatible QBH connector	1-9398X01(Coherent)
Weight	-



- Layout is different from actual product, please refer to dimension only.
- Focal length tolerance :  $\pm 1.5\%$

# GCF-NIR-0.22-100-QBHW

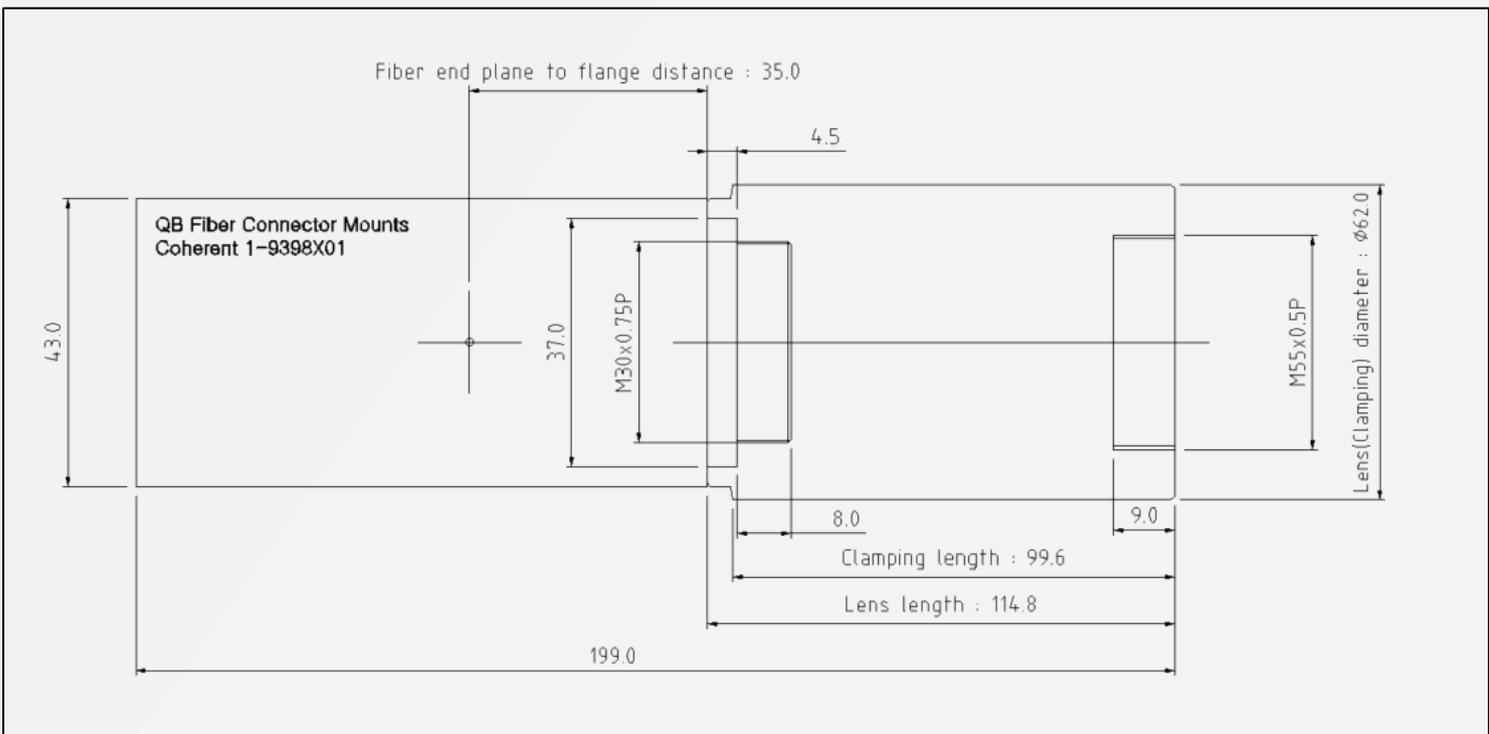
Specifications	GCF-NIR-0.22-100-QBHW
Design wavelength	1070 nm
Material	Fused Silica
Effective focal length	100 mm
Max. Numerical aperture	0.22
Max. Clear aperture	47.5 mm $\emptyset$
Lens diameter	76 mm $\emptyset$
Lens length	114.3 mm without Fiber connector
Cooling Type	Water
Water Tube outside diameter	6 mm $\emptyset$
Mount	76 mm $\emptyset$ Clamping Or M55 X P0.5 thread
Compatible QBH connector	1-9398X01(Coherent)
Weight	-



- Layout is different from actual product, please refer to dimension only.
- Focal length tolerance :  $\pm$  1.5%

# GCF-NIR-0.18-120-QBHN

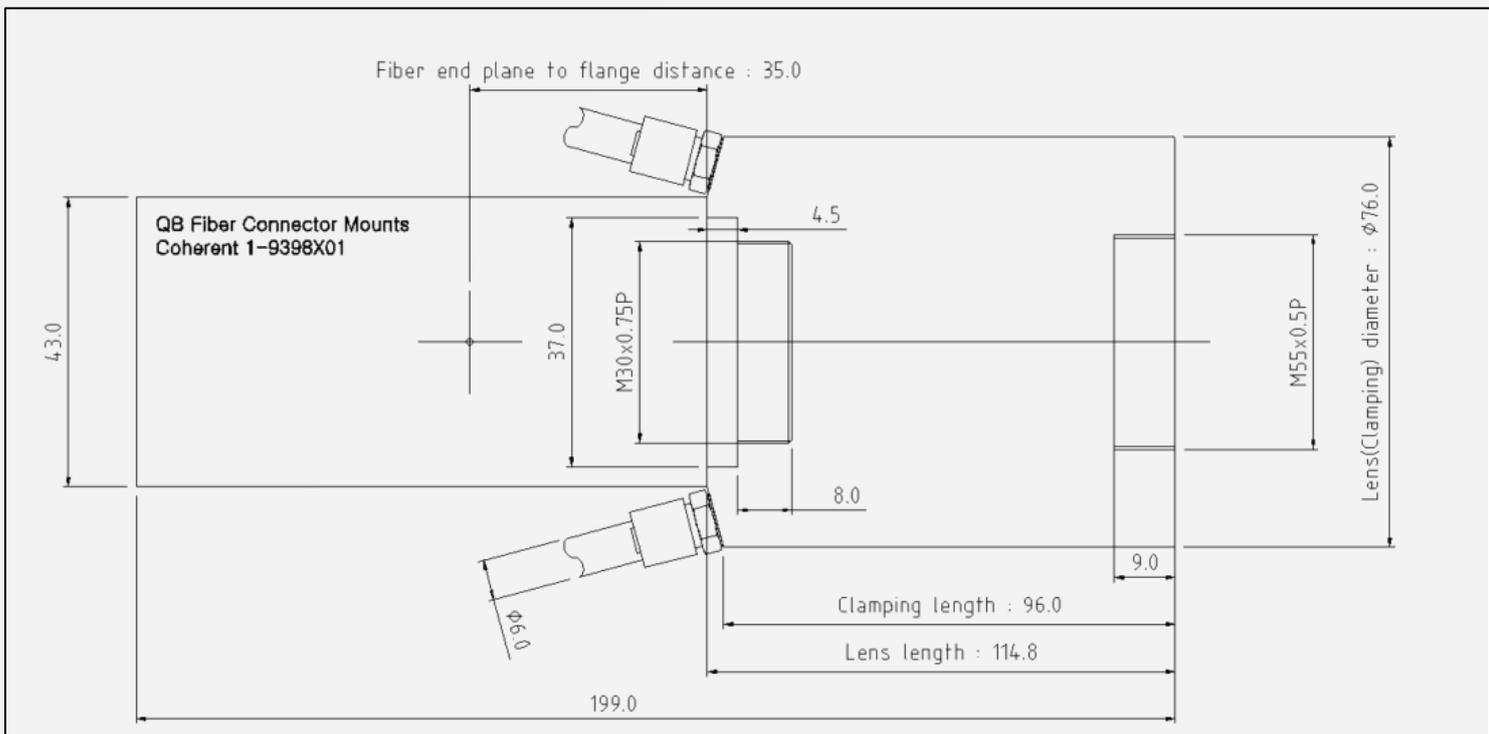
Specifications	GCF-NIR-0.18-120-QBHN
Design wavelength	1070 nm
Material	Fused Silica
Effective focal length	120 mm
Max. Numerical aperture	0.18
Max. Clear aperture	47.5 mm $\emptyset$
Lens diameter	62 mm $\emptyset$
Lens length	114.8 mm without Fiber connector
Cooling Type	Normal
Water Tube outside diameter	None
Mount	62 mm $\emptyset$ Clamping Or M55 X P0.5 thread
Compatible QBH connector	1-9398X01(Coherent)
Weight	-



- Layout is different from actual product, please refer to dimension only.
- Focal length tolerance :  $\pm 1.5\%$

# GCF-NIR-0.18-120-QBHW

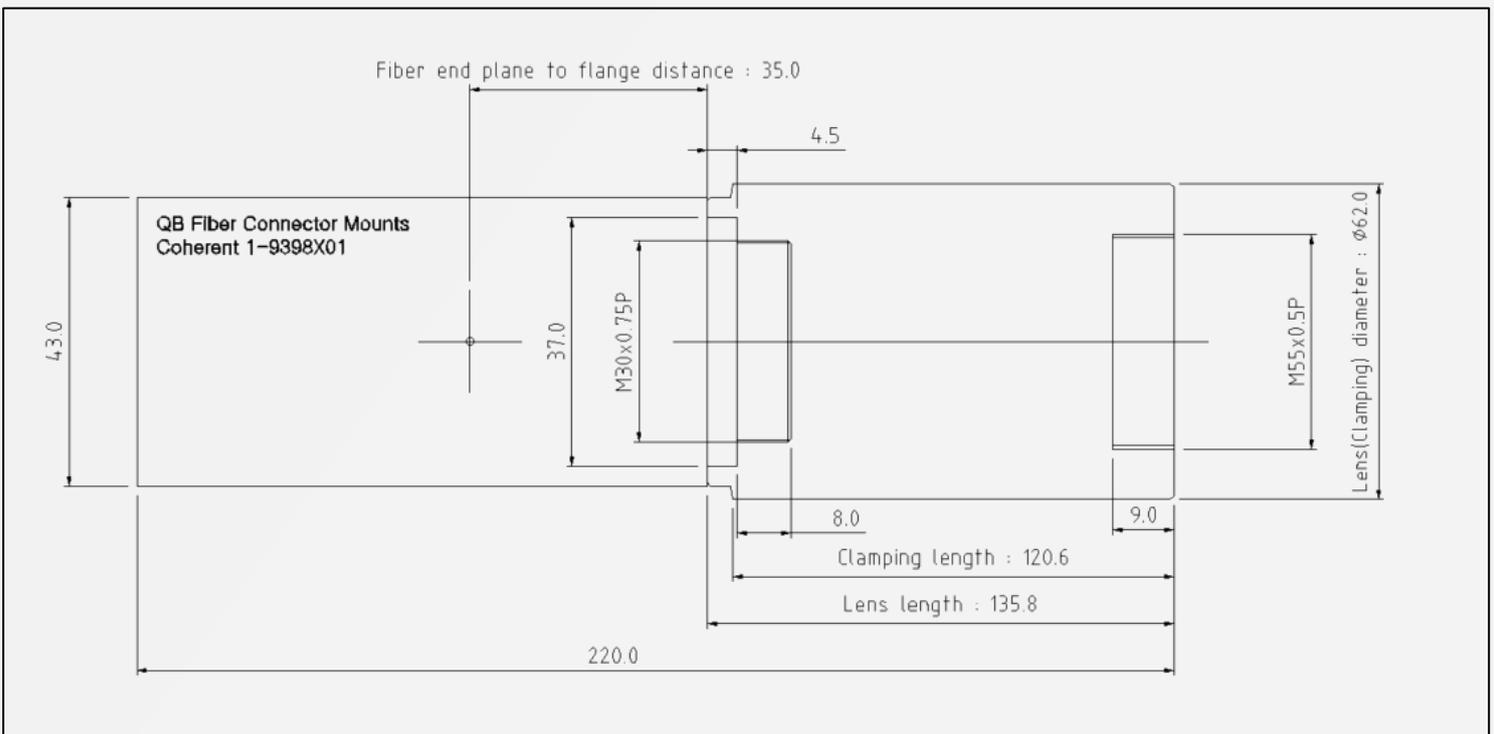
Specifications	GCF-NIR-0.18-120-QBHW
Design wavelength	1070 nm
Material	Fused Silica
Effective focal length	120 mm
Max. Numerical aperture	0.18
Max. Clear aperture	47.5 mm $\emptyset$
Lens diameter	76 mm $\emptyset$
Lens length	114.8 mm without Fiber connector
Cooling Type	Water
Water Tube outside diameter	6 mm $\emptyset$
Mount	76 mm $\emptyset$ Clamping Or M55 X P0.5 thread
Compatible QBH connector	1-9398X01(Coherent)
Weight	0.75kg



- Layout is different from actual product, please refer to dimension only.
- Focal length tolerance :  $\pm$  1.5%

# GCF-NIR-0.16-140-QBHN

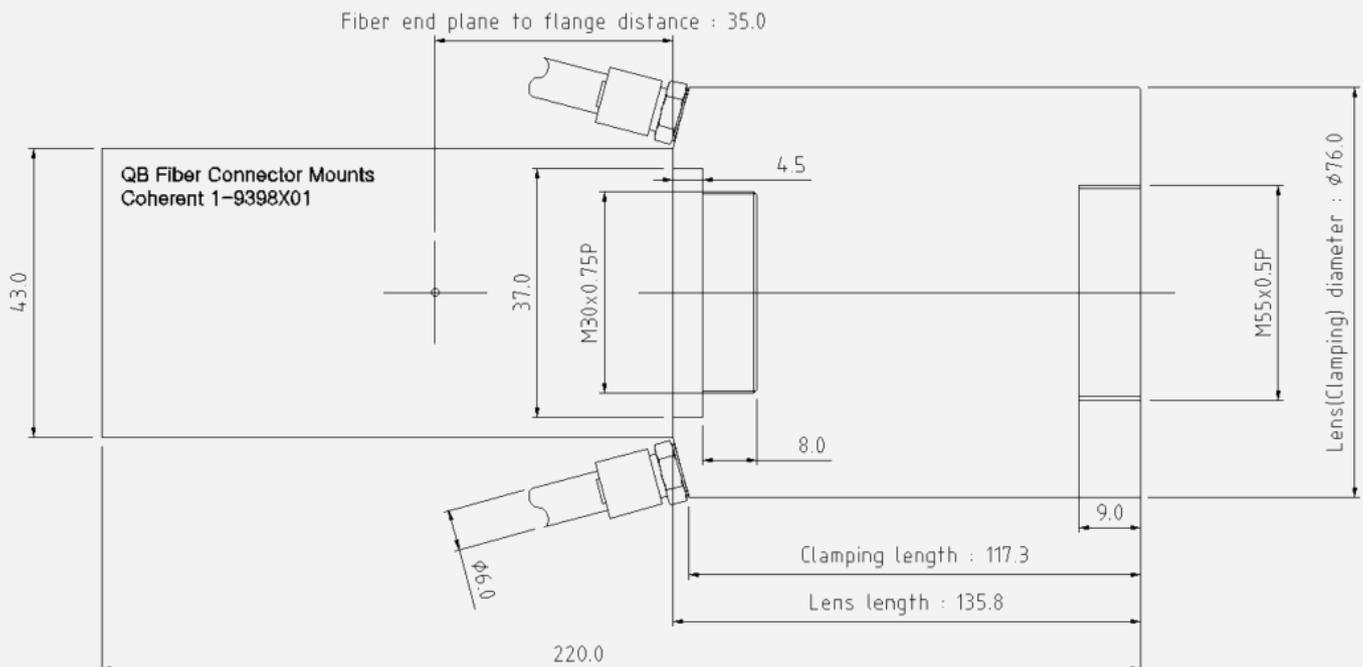
Specifications	GCF-NIR-0.16-140-QBHN
Design wavelength	1070 nm
Material	Fused Silica
Effective focal length	140 mm
Max. Numerical aperture	0.16
Max. Clear aperture	47.5 mm $\emptyset$
Lens diameter	62 mm $\emptyset$
Lens length	135.8 mm without Fiber connector
Cooling Type	Normal
Water Tube outside diameter	None
Mount	62 mm $\emptyset$ Clamping Or M55 X P0.5 thread
Compatible QBH connector	1-9398X01(Coherent)
Weight	-



- Layout is different from actual product, please refer to dimension only.
- Focal length tolerance :  $\pm 1.5\%$

# GCF-NIR-0.16-140-QBHW

Specifications	GCF-NIR-0.16-140-QBHW
Design wavelength	1070 nm
Material	Fused Silica
Effective focal length	140 mm
Max. Numerical aperture	0.16
Max. Clear aperture	47.5 mm $\emptyset$
Lens diameter	76 mm $\emptyset$
Lens length	135.8 mm without Fiber connector
Cooling Type	Water
Water Tube outside diameter	6 mm $\emptyset$
Mount	76 mm $\emptyset$ Clamping Or M55 X P0.5 thread
Compatible QBH connector	1-9398X01(Coherent)
Weight	-



- Layout is different from actual product, please refer to dimension only.
- Focal length tolerance :  $\pm$  1.5%



82, Anaji-ro, Gyeyang-gu, Incheon, 21107, Republic of Korea

TEL : 82-32-684-9606

FAX : 82-32-684-9608

EMAIL : [sales@generaloptics.co.kr](mailto:sales@generaloptics.co.kr)

WEB : <https://generaloptics.co.kr>