

GCX Fiber-Coupled Laser Systems

Advantages:

- Source-to-point
- Flexible optical delivery
- Simplified optical system
- Improved beam quality
- Fiber type: single-mode polarization-maintaining, single-mode, multi-mode

Applications:

- Laser-sourced optical systems
- Multiple laser sources
- High-power laser source
- Laser diode system
- Optical lab



Custom design is available. Please contact us to discuss your requirement.

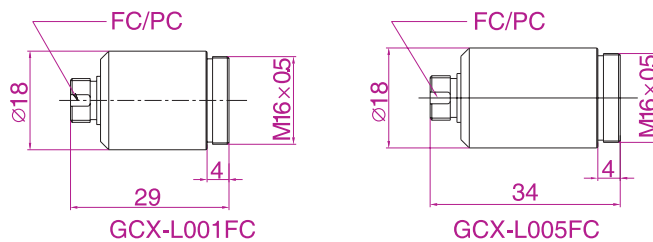
GCX-L Fiber Collimator Series

- Adjustable for different wavelengths
- Other beam sizes are available
- Optional AR coating
- Other connector types are available, e.g. FC/PC, FC/APC, SMA905 etc
- Mountable onto X-Y adjustable holder (GCX-M0101FC)

FC/PC Fiber Collimator (FC/PC)

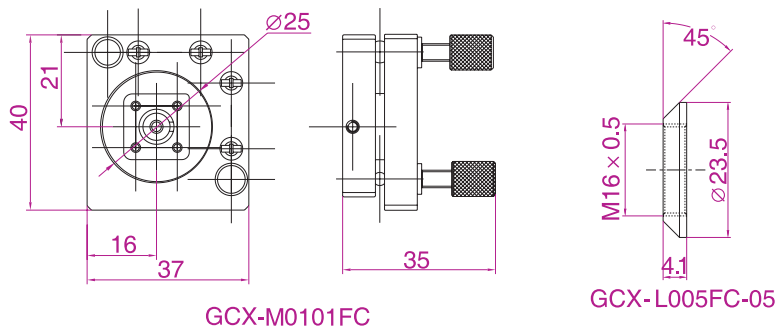
Part No.	Beam Diameter
GCX-L001-FC	∅ 1mm
GCX-L005-FC	∅ 5mm

All lenses are pre-aligned with a single-mode fiber at 633nm.



GCX-M Fiber Collimator Holder

GCX-M0101FC
XY tilt adjustable holder for FC/PC connectors



GCX-L005FC-05
Connection ring for fiber collimators

All dimensions are in mm unless otherwise specified.

GCX-X Fiber Patchcords

- Fiber types: single-mode, polarization-maintaining, multi-mode.
- Standard fiber connectors, e.g. FC/PC, FC/APC, SMA905 etc.
- Visible wavelengths, e.g. 488nm, 532nm, 633nm etc.

Part No.	Description	Length
GCX-XSM-04-FC-FC/APC	Single-mode fiber, 633nm, one end is FC/PC, the other is FC/APC, \varnothing 3mm PVC protection jacket.	1.5m & 2m
GCX-XPM-01-FC-FC/APC	Single-mode polarization-maintaining fiber, 532nm, one end is FC/PC, the other is FC/APC, \varnothing 3mm PVC protection jacket.	1m & 1.5m

All dimensions are in mm unless otherwise specified.

GCAQ Laser Safety Protection Glasses

- For common wavelengths of 488nm, 532nm, 633nm, red diode lasers, 1064nm, UV and near IR, etc.
- EN207 compliant, CE-certification and conforming to ANSI Z136.1 & Z87.1 standards.
- Wide covering angle and wrap-around style.
- Hard-coated for scratch protection.



	Wavelength	Optical Density	Visible Light Transmission	Color
For alignment	nm	-	%	
GCAQ-01 (Laser Diode)	190-380nm	5+	20.9%	red
	488-532nm	2-3		
GCAQ-02 (Laser Diode)	190-395nm	5+	38.5%	green
	645-700nm	1.5		
GCAQ-04 (Nd:YAG)	190-400nm	5+	12%	orange
	532nm	2+		
	980-1070nm	5+		
GCAQ-0204 (Nd:YAG / Diode)	190-400nm	5+	9.1%	brown
	532nm	1.5+		
	770-1085nm	5+		
GCAQ-0103 (Argon/HeNe)	190-400nm	5+	2.1%	purple
	510-670nm	1.5+		
GCAQ-00 (Flash lamp)	550-1100nm	1.5+	4%	bluetgreen
	620nm-1050nm	3+		
For full protection	nm	-	%	
GCAQ-EXC	190-398nm	5+	92.9%	transparent
GCAQ-DD2 (Laser Diode)	190-450nm	5+	19.0%	light green
	860-1720nm	5+		
GCAQ-YGW (Nd:YAG & NIR)	190-400nm	5+	36.0%	amber
	730-1090nm	5+		
	1064nm	6+		
GCAQ-COE (CO ₂ /EXcimer)	190-398nm	7+	92.9%	clear
	10,600nm	5+		

GCQJ Optical Cleaning Kit

- General optical cleaning materials and tools for optical labs
- Cleaning instruction
- Simple, functional and easy use

Tools and Materials Contained:

Cotton swab, cotton, lens tissue, dust blower, dusting brush, magnifying glass, stainless-steel tweezer, drop bottle and tube, cleanroom gloves, latex finger cots, cleaning cloths and lens boxes.



GCBZ Optical Component Storage Boxes

- Ideal for safe storage and dust protection
- Made of rugged aluminum alloy
- Designed for lenses and thin optical components
- Available for component sizes of 25.4mm, 40mm and 50.8mm, round or square.

All dimensions are in mm unless otherwise specified.

GCBZ Optical Component Storage Boxes

GCBZ Optical Component Storage Boxes

Part No.	suitable component	Internal size	box size
GCBZ010125L	∅25.4	27×5×20	160×110×65
GCBZ010140L	∅40	42×8.5×35	180×120×80
GCBZ010150L	∅50.8	53×10×45	180×120×90
GCBZ020125W	∅25.4	27×3×80	160×110×65
GCBZ020150W	∅50.8	50×3×45	180×120×90



GCVW-NIR View Card for Near IR Laser

Near Infrared Viewing Card, Model GCVW-NIR, uses IR up-conversion material for IR sensing. The material converts non-visible near infrared into visible light. The viewing card characteristics are simplicity, high sensitivity, long lasting, safe-to-use and a wide range of applications. It can be used to sense, monitor, recognize and align IR lasers and it is an especially convenient tool for use in laboratories. The up-conversion material is a powder type with a particle size of 10~50 μm. The emission intensity is proportional with absorption energy in the range of 800~1400nm.



- Useful for low power near infrared lasers.
- Stimulation range: 800~1400nm, peak stimulation range: 800~1200nm, emission wavelength 585nm.
- Laminated card style with an overall dimension of 50mm × 50mm and an active area of 30mm × 50mm

All dimensions are in mm unless otherwise specified.