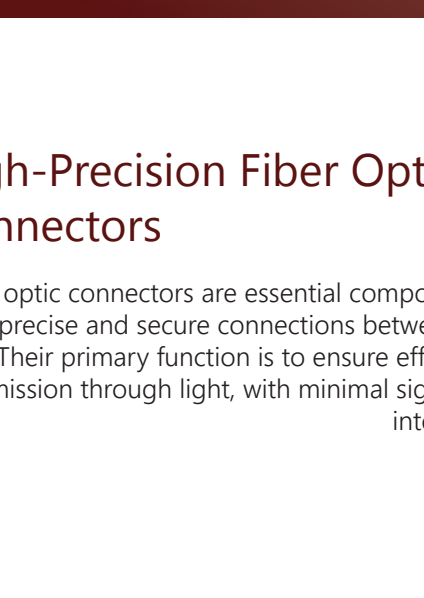


# Specialty Connectors



## High-Precision Fiber Optic Connectors

Fiber optic connectors are essential components that enable precise and secure connections between optical fibers. Their primary function is to ensure efficient data transmission through light, with minimal signal loss or interruptions.

### Materials Used:

- **Ceramics:** Ideal for perfect alignment and minimal optical losses.
- **Stainless steel:** Provides robustness and resistance to harsh conditions.
- **Advanced engineering plastics:** Offer lightweight stability and structural integrity.
- **Special alloys:** Ensure optimal performance under extreme conditions.

## Applications of Fiber Optic Connectors:

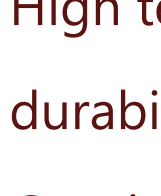
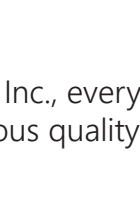
- Data centers.
- Industrial monitoring systems and sensors.
- Medical and Specialty equipment and scientific applications.

## Available Connector Types



Offers high precision and stability with a threaded design, commonly used in laboratory applications.

Designed to maintain light polarization, ideal for applications requiring extreme precision.



Bayonet-style connector widely used in industrial applications.

Robust and versatile, used in high-power applications and sensor systems.



Compact and efficient, ideal for small devices with high connection density.

MM ID bores are offered in 5  $\mu\text{m}$  increments, up to a maximum of 1 mm, with a wide range of internal dimensions tailored to meet diverse design requirements.

SM ID bores are available in precise 0.25  $\mu\text{m}$  increments, accommodating sizes up to 128  $\mu\text{m}$ , ensuring compatibility with your specific needs.

## Guaranteed Quality Testing

At Precision Fiber Products, Inc., every connector undergoes rigorous quality testing to ensure:

- Low insertion loss.
- High tensile strength and durability.
- Consistent optical performance.
- Compliance with international quality standards.

Trust our expertise and commitment to deliver products that meet the highest standards of precision and performance.

Scan the QR code below to access data sheets for our Specialty Connectors and additional information that may be of interest.

