

Damage Resistant FiberGrip® SMA

The 905 SMA Damage Resistant FiberGrip® Connector is a simple to use, epoxyless, interconnect solution for markets where High-Power Delivery is required. This two-piece connector is designed as a safe and cost effective alternative that allows for efficient ease of use during termination.

Amphenol's Damage Resistant FiberGrip® Connector is designed for high power applications and utilizes air gap ferrule technology. The air gap ferrule technology eliminates energy absorbing materials near the fiber end face such as epoxies, connector materials, and coatings. The connector ferrules can act as a heat sink pulling the heat quickly away from the fiber.

Damage threshold on these types of connectors will vary based on launch conditions and operational wavelength. The front body of the connector is a ferrule that is designed with a custom, high-tolerance, application specific hole diameter. Stainless steel, beryllium copper, or other customer specified material.



Features and Benefits

- Quick and Safe Epoxyless Termination
- Designed for use with High Power Medical Laser Delivery Systems
- Can withstand Autoclave and ETO Sterilization process
- Custom Optical Fiber Hole Sizes and Ferrule Tip configurations
- Strain relief boots and dust caps available with medical grade material
- Compatible with RFID Integrated Technology

Specifications

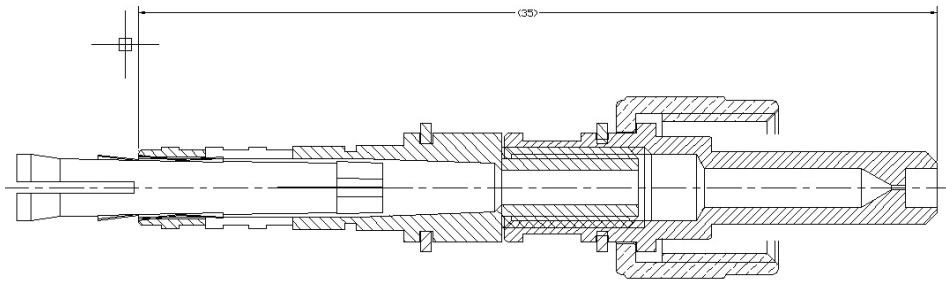
- Tolerance for Stainless Steel Ferrule Holes: 125um to 149um: +5/-0um
- Tolerance for Stainless Steel Ferrule Holes: 150um to 249um: +10/-0um
- Tolerance for Stainless Steel Ferrule Holes: 250um to 1499um: +15/-0um
- Tolerance for Stainless Steel Ferrule Holes: 1500um to 2300um: +25/-0um
- Retention value is dependent upon the specific size and type of the optical fiber
- Retention can reach values of 20 lb. and higher - Amphenol will determine retention values

Applications

- Medical Specialty
- Data Communications
- Industrial
- Military

Industry Compliance

- RoHS compliant



Ordering Information

Part Number	Description
905-20230-0270P	905 FIBERGRIP SMA, 230μm, KNURL NUT
905-20230-0270H	905 FIBERGRIP SMA, 230μm, HEX NUT
905-20640-1040P	905 FIBERGRIP SMA, 640μm, KNURL NUT
905-20640-1040H	905 FIBERGRIP SMA, 640μm, HEX NUT
905-21050-1400P	905 FIBERGRIP SMA, 1050μm, KNURL NUT
905-21050-1400H	905 FIBERGRIP SMA, 1050μm, HEX NUT

*Please call customer service for additional configurations