



**Manufacturer:**  
Amphenol Fiber Optic Products

**Product Name:**  
Amphenol 905 High-Power FiberGrip® SMA Connector, Damage Resistant,  
1400µm (micron) Stainless Steel Ferrule

**Manufacturer Part Number:**  
905-2XXXX-1400



▶ [Click here for more details on the Amphenol 905 High-Power FiberGrip® SMA Connector, Damage Resistant, 1400µm \(micron\) Stainless Steel Ferrule](#)

# SMA High Power Fiber Grip

Simple, epoxy-free design for easy use and faster assembly.

High-power laser delivery for demanding applications.

Safe, cost-effective two-piece connector ensuring reliable, efficient termination.



## Features and Benefits:

- ▶ The optimized laser design prevents connector heating and maximizes fiber power.
- ▶ No epoxy is needed, eliminating curing time and speeding up production while allowing easy rework.
- ▶ No crimp is necessary, simplifying manufacturing by removing the need for a crimp ferrule in the assembly or BOM.



## Damage Resistant Benefits

- ▶ Keeps organic matter, dirt, and epoxy away from the fiber tip.
- ▶ Designed for high-power applications.



## Coupling Nut Options

- ▶ Standard size: 0.312" ± .005" (Hex Nuts available upon request).
- ▶ Tight Tolerance: 0.312+.001/-0.0", ideal for press-fitting into over-nuts.
- ▶ Additional options: Diamond knurls, Straight knurling, Extended Length, RFID integration.



## Boots

- ▶ Excellent strain relief for fiber cables.
- ▶ Available sizes: 3mm, 2mm, and 900µm (custom sizes on request).
- ▶ Attaches snugly over crimp ferrules, improving retention.



**Contact the professionals at Fiber Optic Center for a quote or to get more details.**

23 Centre Street • New Bedford, MA 02740 USA • [focenter.com](http://focenter.com) • 508-992-6464 • (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

*Product specifications and data are subject to change without notice.*



**Manufacturer:**  
Amphenol Fiber Optic Products

**Product Name:**  
Amphenol 905 High-Power FiberGrip® SMA Connector, Damage Resistant,  
1400µm (micron) Stainless Steel Ferrule

**Manufacturer Part Number:**  
905-2XXXX-1400



▶ [Click here for more details on the Amphenol 905 High-Power FiberGrip® SMA Connector, Damage Resistant, 1400µm \(micron\) Stainless Steel Ferrule](#)

## SMA High Power Fiber Grip

| Part Number     | Description         | Special Design Features             | Can you attach without Epoxy? | Ferrule Length                       | Ferrule OD   | Damage Resistant | Dam Res ID - Inside Diameter | Front Counterbore for DR Tip-depth |
|-----------------|---------------------|-------------------------------------|-------------------------------|--------------------------------------|--|------------------|------------------------------|------------------------------------|
| 905-2XXXX-YYYY  | FiberGrip Connector | Damage Resistant Tip                | Yes                           | 9.90mm +/- .02<br>(.3897 +/- .0007") | 3.167 + .005 /- .002 mm<br>(.1247 +.0002/- .0001") | Yes              | 1.7 mm                       | 1.4 mm                             |
| 905-2XXXX-YYYYL | FiberGrip Connector | FiberGrip with Beryl Copper Ferrule | Yes                           | 9.90mm +/- .02<br>(.3897 +/- .0007") | 3.167 + .005 /- .002 mm<br>(.1247 +.0002/- .0001") |                  |                              |                                    |

| Part Number     | Coupling Nut Material | Coupling Nut Type | Boot Color | Cap Model Number | Cap Color | Tether Loop | Cap Slit | Cap Logo | Sterilization |
|-----------------|-----------------------|-------------------|------------|------------------|-----------|-------------|----------|----------|---------------|
| 905-2XXXX-YYYY  | Nickel Plated Brass   | Knurl             | N/A        | 905-5173-01-MD   | Black     | No          | Yes      | No       | Yes           |
| 905-2XXXX-YYYYL | Nickel Plated Brass   | Knurl             | N/A        | 905-5173-01-MD   | Black     | No          | Yes      | No       | Yes           |

**Note:**

- XXXX is the ferrule hole size and YYYY is the buffer size in microns
- 18 Current Buffer Sizes (270-1400)
- When you order this, you get a Front Body, Rear Body, Specify (Buffer) Collet Size, Coupling Nut and Dust Cap.
- No Boot and No Crimp

**Meets QA Standards:**

REACH 240 Compliant  
RoHS Certificate of Compliance



**Contact the professionals at Fiber Optic Center for a quote or to get more details.**

23 Centre Street • New Bedford, MA 02740 USA • [focenter.com](http://focenter.com) • 508-992-6464 • (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

*Product specifications and data are subject to change without notice.*