



Manufacturer:
Amphenol Fiber Optic Products

Product Name:
Amphenol 905 High-Power FiberGrip® SMA Connector, Damage Resistant,
550µm (micron) Beryllium Copper Ferrule

Manufacturer Part Number:
905-2XXXX-0550L



▶ [Click here for more details on the Amphenol 905 High-Power FiberGrip® SMA Connector, Damage Resistant, 550µm \(micron\) Beryllium Copper 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+0.001/-0.0", ideal for press-fitting into over-nuts.
- ▶ Additional options: Diamond knurls, Straight knurling, Extended Length, RFID integration.



Boots

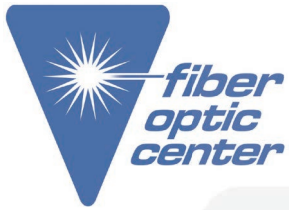
- ▶ Excellent strain relief for fiber cables.
- ▶ Available sizes: 3mm, 2mm, and 900µm (custom sizes on request).
- ▶ Attaches snugly over crimp ferrules, improving retention.



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 • 508-992-6464 • (800) 473-4237 • sales@focenter.com

Product specifications and data are subject to change without notice. FOC last update 3/23/2026.



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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 (.3897 +/- .0007")	3.167 + .005 /- .002 mm (.1247 +.0002/- .0001")	Yes	1.7 mm	1.4 mm
905-2XXXX-YYYYL	FiberGrip Connector	FiberGrip with Beryl Copper Ferrule	Yes	9.90mm +/- .02 (.3897 +/- .0007")	3.167 + .005 /- .002 mm (.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



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