



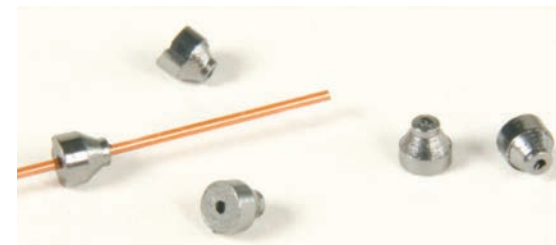
Ohio Valley Specialty
C O M P A N Y



**Ferrules &
Connectors**

Ferrules (10 per pack)

	Ferrule Size	Tubing Size	Style	100% Graphite	85% Polyimide 15% Graphite	60% Polyimide 40% Graphite	100% Polyimide	100% PTFE
CAPILLARY FERRULES	1/16"	0.4mm		GF-04	MS-04	GH-04	HF-04	TF-04
	1/16"	0.4mm	HP/Agilent Short	GF-04-HP	MS-04-HP	GH-04-HP	HF-04-HP	
	1/16"	0.5mm		GF-05	MS-05	GH-05	HF-05	TF-05
	1/16"	0.5mm	HP/Agilent Short	GF-05-HP	MS-05-HP	GH-05-HP	HF-05-HP	
	1/16"	0.8mm		GF-08	MS-08	GH-08	HF-08	TF-08
	1/16"	0.8mm	HP/Agilent Short	GF-08-HP	MS-08-HP	GH-08-HP	HF-08-HP	
	1/16"	1.0mm		GF-10	MS-10	GH-10	HF-10	TF-10
	1/16"	1.0mm	HP/Agilent Short	GF-10-HP	MS-10-HP	GH-10-HP	HF-10-HP	
STRAIGHT FERRULES	1/16"	1.2mm		GF-12	MS-12	GH-12	HF-12	TF-12
	1/16"	1/16"		GF-01	MS-01	GH-01	HF-01	TF-01
	1/8"	1/8"		GF-02	MS-02	GH-02	HF-02	TF-02
	3/16"	3/16"		GF-316				TF-316
	1/4"	1/4"		GF-03	MS-03	GH-03	HF-03	TF-03
	3/8"	3/8"		GF-138				TF-138
REDUCING FERRULES	1/2"	1/2"		GF-13				TF-13
	1/8"	0.4mm		GF-48	MS-48	GH-48	HF-48	TF-48
	1/8"	0.5mm		GF-58	MS-58	GH-58	HF-58	TF-58
	1/8"	0.8mm		GF-88	MS-88	GH-88	HF-88	TF-88
	1/8"	1.0mm		GF-18	MS-18	GH-18	HF-18	TF-18
	1/8"	1.2mm		GF-38	MS-38	GH-38	HF-38	TF-38
	1/8"	1/16"		GF-68	MS-68	GH-68	HF-68	TF-68
	1/4"	4.0mm		GF-40	MS-40	GH-40	HF-40	TF-40
	1/4"	0.4mm		GF-44	MS-44	GH-44	HF-44	TF-44
	1/4"	0.5mm		GF-45	MS-45	GH-45	HF-45	TF-45
	1/4"	0.8mm		GF-84	MS-84	GH-84	HF-84	TF-84
	1/4"	1/16"		GF-64	MS-64	GH-64	HF-64	TF-64
NO-HOLE FERRULES TWO-HOLE FERRULES	1/4"	1/8"		GF-81	MS-81	GH-81	HF-81	TF-81
	1/16"	0.4mm	2-Hole	GF-14	MS-14	GH-14	HF-14	TF-14
	1/16"	0.5mm	2-Hole	GF-25	MS-15	GH-15	HF-15	TF-15
	1/8"	0.5mm	2-Hole	GF-28	MS-28	GH-28	HF-28	TF-28
	1/8"	0.8mm	2-Hole	GF-29	MS-29	GH-29	HF-29	TF-29
	1/16"		No-Hole	GF-01-NH	MS-01-NH	GH-01-NH	HF-01-NH	TF-01-NH
	1/8"		No-Hole	GF-02-NH	MS-02-NH	GH-02-NH	HF-02-NH	TF-02-NH
	1/4"		No-Hole	GF-03-NH	MS-03-NH	GH-03-NH	HF-03-NH	TF-03-NH
	3/8"		No-Hole	GF-138-NH				TF-138-NH



Quality

Excellent quality. We challenge you to compare any of our ferrules against your current supplier.

Conditioned

All ferrules are thermally conditioned and ready for immediate high temperature GC use.

Advantages of Graphite Ferrules

Our graphite ferrules fit Swagelok® or Parker® fittings. Graphite ferrules are soft and compliant. They will not stick to glass at higher temperatures. These ferrules are ideal for glass to metal connections. The graphite ferrule can be reused if not over tightened.

Advantages of Polyimide Ferrules

Improved mixing techniques for polyimide ferrules allow for better homogenous mixing of graphite and polyimide resin. One can observe this when looking at a polyimide ferrule. The surfaces are very smooth and exhibit a highly polished or highly shined surface. Polyimide ferrules exhibit a lower coefficient of expansion than other polyimide resins, therefore, reducing the tendency of the column nuts loosening in the heated GC ovens.

Advantages of PTFE Ferrules

The PTFE ferrules are a one piece design and require no back ferrule. These ferrules are completely inert.

PLEASE CALL 1-800-729-6872 FOR ANY CUSTOM FERRULE REQUIREMENT.

Choosing the Right Ferrule

Ferrule Type	Recommended Use
1/16" x 0.4mm	Capillary tubing with ID of 0.10 - 0.25mm
1/16" x 0.5mm	Capillary tubing with ID of 0.28 - 0.35mm
1/16" x 0.8mm	Capillary tubing with ID of 0.45 - 0.53mm
1/16" x 1.0mm	Capillary tubing with ID of 0.75mm
No Hole	To create custom fittings or for plugs
2-Hole	Connects 2 pieces of capillary tubing to the same fitting



Maximum Operating Temperatures

100% Graphite ferrules	Maximum operating temperature 450°C
85% Polyimide / 15% Graphite	Maximum operating temperature 400°C
60% Polyimide / 40% Graphite	Maximum operating temperature 400°C
100% Polyimide ferrules	Maximum operating temperature 350°C
100% PTFE ferrules	Maximum operating temperature 250°C



Fused Silica Connectors

- Fits 0.18mm to 0.53mm ID tubing.
- One size fits all, tapered interior bore assures a press-tight friction fit.
- Easy to use - installs quickly.
- Each connector tested for correct tapered angle.
- Excellent for transfer line connections.

Universal union, one size fits all. Excellent for repairing broken columns or for connecting guard columns.

Description	Per Pack	Catalog Number
Universal Union	5/Pack	ML-100
Universal Union	25/Pack	ML-100-25
Universal Union (Deactivated)	5/Pack	ML-100D
Universal Union (Deactivated)	25/Pack	ML-100D-25
Universal Union (Deactivated)	100/Pack	ML-100D-100

"Y" Connectors

Description	Catalog Number
"Y" Connector	ML-200



Ohio Valley Specialty
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115 Industry Road
Marietta, Ohio 45750 USA

Telephone: (740) 373-2276 or Toll Free: (800) 729-6872

Fax: (740) 373-9910

www.ovsc.com