

Graphite Ferrules

MINIMUM ORDER \$25.00

CUSTOM SIZES ARE AVAILABLE

& MAY INCLUDE

AN ADD-ON TOOLING COST

JULY 2016

AUSTRALIAN / INTERNATIONAL FERRULE - PRICE LIST

THE "PERFECT" CONNECTION FOR GC AND GLASS/CERAMIC TUBES
ALSO GRAPHITE / POLYIMIDE FOR GC/MS (VACUUM APPLICATIONS)

Graphite Ferrules - All sizes to 2.0inch ID

- have been proven in over 25 years production by Chromalytic Technology "millions" being sold "world-wide" mainly through some of the leading chromatography distributors and OEMs.

Full range of sizes from 0.3mm ID for capillary columns right up to 2.0-in for preparative columns and industrial applications;

Industrial Applications : glass/ceramic tubes : reactor/catalyst tubes, pump glands gas cells
there is a size to fit ALL applications !

If we haven't got it already we will guarantee to make it for you ! . . . *re feasibility !*

Some features . . .

500 DEG C MAX IN AIR

**"UNLIMITED" IN AN
INERT GAS**

**SOFT AND MALLEABLE
& WITH NO PHASE
TRANSITIONS**

- Maximum temperature use to **500 deg-C** or much higher in a "capture fitting" or if protected in an inert atmosphere (**>1000C+**)

- soft and malleable and extrude into shape to fill minor imperfections in tubing and "distorted fittings".

- have an ideal "feel" for use with glass and fused silica capillary tube to help avoid crushing on over-tightening.

- They will not stick or bind to tubing and the nut/ferrule can simply be slid off the tubing for re-use—reduce use of expensive once-off metal ferrules for many applications

Specifically for GC . . . ALL types of GCs are catered for including OEM specific ferrules; for example HP/Agilent inlet seals, injector liner O-rings; 8mm, 1/4,

5mmOD for Carlo Erba / Fisons /Thermo / Shimadzu;

capture type cup GC column seals. Etc

OEM Enquiries Welcome

3 basic Profiles are available . .

- **SF** - Single (Piece) Ferrule for Swagelok and similar fittings eg Parker.

- **GF** - Front ferrule design for use with a "backing ferrule" or in Chromalytic "butt-type" connection fittings, injection systems.

- **Short profile** - "short" specially designed for HP/Agilent GC capillary GC column inlet seals.

Also . . . **Graphite O-rings** (6.35mm and 6.5mm ID) . . . for HP/Agilent GC injector liners.

Cup Graphite Seals for CE /Fisons /ThermoQuest /Shimadzu
and the NEW CT graphite capture fittings - Enquire !

Capture Ring graphite seal for 8mm OD Fisons/ CE/TQ liners.

Graphite/Polyimide Ferrules - 1/16" (various ID reducers), 1/8", 1/4"ID max

- raw material tends to be cost prohibitive - Other Sizes to special Order

These are precision machined (and NOT moulded) to give a perfect fit in all Swagelok and Parker 1/16-in fittings.

They are made from **15% graphite/polyimide** selected by . . .

Chromalytic Technology as being the best compromise in "softness", "non-stickability" and crack resistance. They are preferred over **Graphite Ferrules** for vacuum operation or use in GC/MS for reduced air diffusion.

For long term use - they may tend to "dry out" and may crack on re-tightening after use at high temperature.



| Single Piece Ferrule Size / Cat.# | | Front Ferrule Type Ferrule Size / Cat.# | |
|-----------------------------------|------------|---|-------------|
| 1/16" to : | | 1/16" to : | |
| 0.3mm | SF100/0.3G | 0.4mm | GF100/0.4 |
| 0.4mm | SF100/0.4G | 0.5mm | GF100/0.5 |
| 0.5mm | SF100/0.5G | 0.8mm | GF100/0.8 |
| 0.8mm | SF100/0.8G | 1.0mm | GF100/1.0 |
| 1.0mm | SF100/1.0G | 1/16" | GF100 |
| 1.2mm | SF100/1.2G | | |
| 1/16" | SF100G | 1/8" | GF200 |
| 1/8" to : | | 1/4" to 3/16" | GF400/300 |
| 0.4mm | SF200/0.4G | 1/4 to 6mm | GF400/M6 |
| 0.5mm | SF200/0.5G | 1/4" | GF400 |
| 0.8mm | SF200/0.8G | | |
| 1.0mm | SF200/1.0G | "Specials" | |
| 1.2mm | SF200/1.2G | Agilent | |
| 1/16" | SF200/100G | O-rings | |
| 1/8" | SF200G | 6.35mm | GFO-6.35HP |
| 3/16" | SF300G | 6.5mm | GFO-6.5HP |
| 1/4" to : | | Inlet Seals | |
| 0.5mm | SF400/0.5G | (Short) | |
| 0.8mm | SF400/0.8G | 0.3mm | GF0.3HP |
| 1/16" | SF400/100G | 0.4mm | GF0.4HP |
| 1/8" | SF400/200G | 0.5mm | GF0.5HP |
| 6mm | SF400/M6G | 0.8mm | GF0.8HP |
| 1/4" | SF400G | 1.0mm | GF1.0HP |
| 3/8" | SF600G | 1.2mm | GF1.2HP |
| 1/2" | SF800G | | |
| 5/8" | SF1000G | (standard) | |
| 3/4" | SF1200G | 0.3mm | GF100/0.3HP |
| 7/8" | SF1400G | 0.4mm | GF100/0.4HP |
| 1.0-in | SF1600G | 0.5mm | GF100/0.5HP |
| 1-1/4-in | SF2000G | 0.8mm | GF100/0.8HP |
| 1-1/2-in | SF2400G | 1.0mm | GF100/1.0HP |
| 1-3/4-in | SF2800G | 1.2mm | GF100/1.2HP |
| 2.0-in | SF3200G | | |
| Metric | | Fisons/CE/ | |
| 5mm | SFM5G | 0.3mm | CF0.3Fis |
| 10mm | SFM10G | 0.4mm | CF0.4Fis |
| 12mm | SFM12G | 0.5mm | CF0.5Fis |
| 14mm | SFM14G | 0.8mm | CF0.8Fis |
| 16mm | SFM16G | 1.0mm | CF1.0Fis |
| 18mm | SFM18G | 1.0mm | CF8.0Fis |
| 25mm | SFM25 | 8mm | |
| 30mm | SFM32 | | |

| Graphite/Polyimide 1/16"-1/4" ID . . . for SL Tube Fittings | |
|--|--------------|
| 0.3mm | SF100/0.3VG1 |
| 0.4mm | SF100/0.4VG1 |
| 0.5mm | SF100/0.5VG1 |
| 0.7mm | SF100/0.7VG1 |
| 0.8mm | SF100/0.8VG1 |
| 1.0mm | SF100/1.0VG1 |
| 1.2mm | SF100/1.2VG1 |
| 1/16" | SF100VG1 |
| 1/8" | SF200VG1 |
| 3/16" | SF300VG1 |
| 1/4" | SF400VG1 |

ANY size !
to your
Specifications
Generous Discounts
apply to OEMs / Distributors
and for
"bulk" orders

NEW ! Graphite "pseudo" O-Rings
1.0"ID SF30.0/25.4/6.0-4.2-1.8G

Other Specials
- or small "runs"
a tooling Cost may applies

Note : **Teflon** and **PEEK** ferrules are also available for HPLC / LC / FIA applications
Enquire !

| Double-Hole Ferrules | | No-Hole Ferrules (blank) | |
|----------------------|--------------------------------|--------------------------|-----------|
| 1/16" Double-hole | SF100/2xM0.5G GF2x0.5HP | 1/16" | SF100/00G |
| | GF200/2xM0.5G | 1/8" | SF200/00G |
| 1/8" Double-hole | SF200/2xM0.5G SF200/2xM0.8G | 3/16" | SF300/00G |
| | | 1/4" | SF400/00G |
| | | 3/8" | SF600/00G |
| | | 1/2" | SF800/00G |

Prices include packing in plastic vials (10-pk), unless specified otherwise. . . . Also available—bulk-packed - for large quantities.

-1 suffix designates order **Quantity** : each; -50 for a **50-pk at 15% Discount**

. . . packed in plastic vials or separately for large sizes. eg packed onto a foam rod for extra strength in transit re GF fragility etc **and at our discretion !**

Graphite Ferrules

AUSTRALIAN / INTERNATIONAL FERRULE - PRICE LIST

CUSTOM FERRULE SPECIFICATIONS

MINIMUM ORDER \$25.00

CUSTOM SIZES ARE AVAILABLE

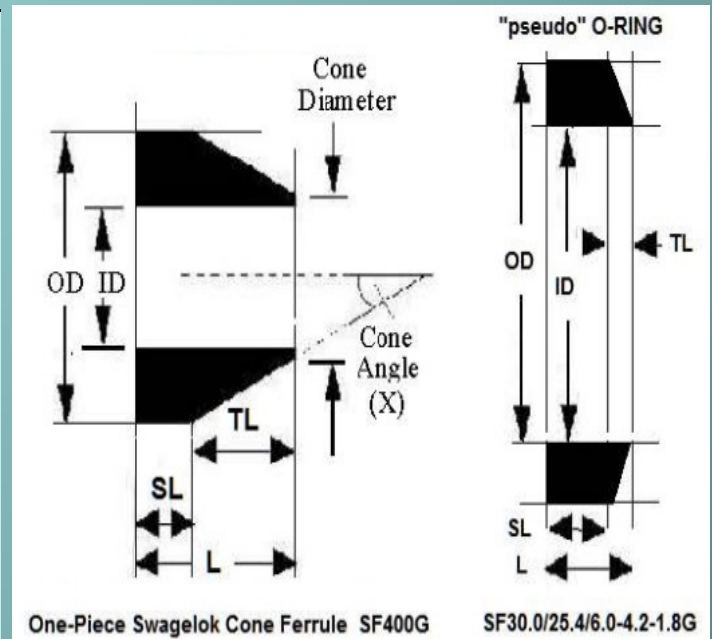
& MAY INCLUDE

AN ADD-ON TOOLING COST

JULY 2016

"BUT NOT ALL THINGS ARE POSSIBLE"!

| To Order . . . Custom-made "Specials" | | |
|--|--------------------------------------|--------------------|
| - Ferrule Size Specifications required (accurate vernier /micrometer) | | |
| Size in . . . Inches . . . mm | | |
| Material | Required | Tolerance Required |
| - Graphite | <input type="checkbox"/> | |
| - 15% Graphite /Polyimide | <input type="checkbox"/> | |
| - Teflon (PTFE) | <input type="checkbox"/> | |
| - PEEK | <input type="checkbox"/> | |
| - Kel-F Tefzel | <input type="checkbox"/> | |
| Other (but specify) | <input type="checkbox"/> | |
| ID | | |
| OD | | |
| Length {L} | | |
| L= {Shoulder Length + Taper Length SL TL | | |
| Cone Diameter (CD) | ID + 0.3 to 0.75 mm for Tip strength | |
| Quantity Required | | |



The Cone Angle is generally incidental in production - but typically for the SF type ferrules (X)=17 degrees +/-1 deg
The shape is actually determined by all other dimensions
The Overall Length (L) is the easiest parameter for Us to vary in production simply by varying the Shoulder Length (SL)

| Typical Ferrule Dimensions and Tolerances (sizes in inches) | | | | | |
|---|--------------|--------|-------|-------|-------|
| Catalog # | ID | L | SL | CD | OD |
| SF100/...G | 0.3mm-1/16" | 0.170 | 0.100 | 0.075 | 0.125 |
| GF ...HP | 0.3mm-1/16" | 0.090 | 0.050 | 0.072 | 0.125 |
| GF1001..HP | 0.3mm-1/16" | 0.120 | 0.080 | 0.072 | 0.125 |
| GF100/ ... | 0.3mm-1/16" | 0.135" | 0.095 | 0.075 | 0.125 |
| SF200/..G | 0.4mm-1/8" | 0.250" | 0.120 | 0.135 | 0.250 |
| SF400/...G | 0.5mm-1/4" | 0.255" | 0.120 | 0.260 | 0.375 |
| HP O-ring | 6.35mm,6.5mm | 0.100" | | | |
| SF600G | 3/8" | 0.320" | 0.160 | 0.390 | 0.500 |
| SF800G | 1/2" | 0.375" | 0.160 | 0.520 | 0.675 |
| SF1000G | 5/8" | 0.400" | 0.160 | 0.660 | 0.815 |
| SF1200G | 3/4" | 0.450" | 0.180 | 0.790 | 0.945 |
| SF1400G | 7/8" | 0.525" | 0.200 | 0.790 | 1.125 |
| SF1600G | 1.0" | 0.575" | 0.250 | 1.040 | 1.25 |
| SF2400G | 1-1/2" | 0.875" | 0.340 | 1.560 | 1.75 |
| SF3200G | 2.0" | 1.100" | 0.275 | 2.090 | 2.60 |

| ID | Min | Max |
|-------|--------|--------|
| 0.3mm | 0.0125 | 0.0135 |
| 0.4mm | 0.0160 | 0.0175 |
| 0.5mm | 0.020 | 0.0215 |
| 0.7mm | 0.027 | 0.0285 |
| 0.8mm | 0.031 | 0.032 |
| 1.0mm | 0.040 | 0.042 |
| 1.2mm | 0.047 | 0.049 |
| 1/16 | 0.063 | 0.0645 |
| 1/8 | 0.125 | 0.1265 |
| 1/4 | 0.250 | 0.252 |
| 3/8 | 0.375 | 0.387 |

Graphite Ferrules will squash into shape and actual sizes are far less critical than for metal ferrules.

| Typical Manufacturing Tolerances | L | SL | ID | CD | Cone Angle(X) |
|----------------------------------|---------|---------|--------|--------|---------------|
| | +0.005" | -0.005" | +0.005 | -0.005 | +0.002 |
| | | | +0.002 | -0.000 | +0.000 |
| | | | +0.000 | -0.000 | +0.000 |
| | | | | | +0.000 |

- tighter tolerance is possible but generally at extra cost
- Cone Tip Thickness 0.015-0.040" depending on GF ID commensurate with GF fragility - and at Chromtechs' discretion

ANY Size - IF it is practical!
... THEN we can make it!
Types include "capture type" and "cup seals" and "encapsulated" ferrules . . . Enquire!
BUT! We suggest YOU draw it exactly to scale first to PROVE it is feasible in principle in the first place!

Custom Precision Machining

- Metal ... in ANY material, Brass Stainless Steel - any grade 303/304/316/Inconel. Brass
- ANY type of plastics ... Vespel Graphite/polyimide; Teflon; PEEK / Kel-F / Nylon / polypropylene etc
- "small" runs a specialty ... We do NOT try and compete with large auto-repetition shops
- ... If you can buy mass-produced / cast or moulded products we can't compete ... we "specialise in specials"

Prices include packing in plastic vials (10-pk), unless specified otherwise. . . . Also available—bulk-packed - for large quantities.

-1 suffix designates order Quantity : each; -50 for a 50-pk at 15% Discount

. . . packed in plastic vials or separately for large sizes. eg packed onto a foam rod for extra strength in transit re GF fragility etc and at our discretion !



Australian Distributors
Importers & Manufacturers
www.chromtech.net.au

Website NEW : www.chromalytic.net.au E-mail : info@chromtech.net.au Tel: 03 9762 2034 . . . in AUSTRALIA

Graphite Ferrules

AUSTRALIAN / INTERNATIONAL FERRULE - PRICE LIST

FERRULES - STRAIGHT PRICES PER 10-PK (OR EACH) - IN USD / AUD

MINIMUM ORDER \$25.00

CUSTOM SIZES ARE AVAILABLE

& MAY INCLUDE

AN ADD-ON TOOLING COST

JULY 2016

| Catalog # | Fitting Size | Hole ID | Description | USD/AUD | QTY |
|--|----------------|---------|---|---------|-------|
| <i>In AUSTRALIA Prices are the same but in AUD</i> | | | | | |
| SF100G | 1/16" | 1/16" | Ferrules, Graphite, 1/16" ID | 25.00 | 10-pk |
| GF100 | 1/16" | 1/16" | Ferrules, Graphite, FRONT, 1/16" ID | 25.00 | 10-pk |
| SF200G | 1/8" | 1/8" | Ferrules, Graphite, 1/8" ID | 25.00 | 10-pk |
| GF200 | 1/8" | 1/8" | Ferrules, Graphite, FRONT, 1/8" ID | 25.00 | 10-pk |
| SF300G | 3/16" | 3/16" | Ferrules, Graphite, 3/16mm ID | 25.00 | 10-pk |
| SFM5G | 5mm | 5mm | Ferrules, Graphite, Varian 5mm ID | 25.00 | 10-pk |
| GF400 | 1/4" | 1/4" | Ferrules, Graphite, FRONT, ID | 25.00 | 10-pk |
| SF400G | 1/4" | 1/4" | Ferrules, Graphite, 1/4" ID | 25.00 | 10-pk |
| SF400S PEC | 1/4" | 1/4" | Ferrules, Graphite, 1/4" ID | 30.00 | 10-pk |
| SF600G | 3/8" | 3/8" | Ferrules, Graphite, 3/8" ID | 36.00 | 10-pk |
| SFM10G | 10mm | 10mm | Ferrules, Graphite, 12mm ID Metric | 36.00 | 10-pk |
| SFMI2G-1 | 12mm | 12mm | Ferrules, Graphite, 1/2" ID | 4.20 | each |
| SF800G | 1/2" | 1/2" | Ferrules, Graphite, 14mm ID Metric | 42.00 | 10-pk |
| SFM14G-1 | 14mm | 14mm | Ferrules, Graphite, 5/8" ID | 4.80 | each |
| SF1000G-1 | 5/8" | 5/8" | Ferrules, Graphite, 3/4" ID | 4.80 | each |
| SF1200G-1 | 3/4" | 3/4" | Ferrules, Graphite, 7/8" ID | 5.60 | each |
| SF1400G-1 | 7/8" | 7/8" | Ferrules, Graphite, 1.0" ID | 6.80 | each |
| SF1600G-1 | 1.0" | 1.0" | Ferrules, Graphite, 1-1/4" ID | 8.10 | each |
| SFM25G-1 | 25mm | 25mm | Ferrules, Graphite, 25mm ID Metric | 8.10 | each |
| SF2000G-1 | 1-1/4" | 1-1/4" | Ferrules, Graphite, 1-1/4" ID | 12.00 | each |
| SF2400G-1 | 1-1/2" | 1-1/2" | Ferrules, Graphite, 1-1/2" ID | 15.00 | each |
| SF2800G-1 | 1-3/4" | 1-3/4" | Ferrules, Graphite, 1-3/4" ID | 18.00 | each |
| SE3200G-1 | 2.0" | 2.0" | Ferrules, Graphite, 2.0" ID | 21.00 | each |
| GFO-6.35 | 1/4" ID O-Ring | 1/4" | Graphite O-Ring HP Inlet Splitter Liner | 25.00 | 10-pk |
| GFO-6.50 | 6.55mm O-Ring | 6.55mm | Graphite O-Ring HP Splitless Liner | 25.00 | 10-pk |

NOTES : Graphite Ferrules

2 Sizes of HP ferrules for HP/Agilent 5890

GF100/- - - - HP size to fit standard HP inlet seal nut (0.125-in long)

GF- - - HP a short version to fit shallow recess HP nut (0.090-in Long

CUSTOM Ferrules : ANY size to order - providing it is physically feasible for us to make !

We need accurate dimension "specs" OD/ID/Overall Length / Shoulder Length and /Cone OD (where necessary)

To strengthen the Cone Tip.

Note : for **Swagelok** Ferrule shapes the cone angle is normally 17-deg

There may be a "once-off" tooling charge USD90(<1/2"ID) to \$150 depending on size

- If this is required for a "special" ie not already a stock item.

Discounts : apply depending on Total \$ Order value or on Qty (each) . . . at **your** best rate!

- USD\$25 - 399, 0%; USD\$400 - 1500, 15% .. . Also OEM and Distributor Discounts

Delivery Times : Availability - most standard sizes are ex stock in reasonable Qty's

Production Lead Time : most sizes are ex-stock or 4-5 days production for qty to 500 each;

larger qty approx 7+ days from date of order . . . Plus transit time (approx 5 days to USA)

Shipping :

In Australia via Local Courier Aud \$15 per 3kg; \$25 Interstate (metro)

International - Air Express Courier Door-to-door.

Quantity Discount

min Order \$25.00

\$25-399, 1ess 0%

\$400-1500 less 15%

\$1500+ Enquire !

Applies to Net Order

PLUS FREIGHT COST

Int'l Air Courier

USD95 per 500g

+ \$20perKg

+Local ONLY

10%GST

Melbourne(metro) \$15.00

Interstate \$25.00

Prices include packing in plastic vials (10-pk), unless specified otherwise. . . . Also available—bulk-packed - for large quantities.

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. . . packed in plastic vials or separately for large sizes. eg packed onto a foam rod for extra strength in transit re GF fragility etc and at our discretion !

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Australian Distributors
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Website NEW : www.chromalytic.net.au E-mail : info@chromtech.net.au Tel: 03 9762 2034 . . . in AUSTRALIA

Graphite Ferrules

AUSTRALIAN / INTERNATIONAL FERRULE - PRICE LIST

FERRULES - REDUCING PRICES PER 10-PK (OR EACH) - IN USD / AUD

MINIMUM ORDER \$25.00

CUSTOM SIZES ARE AVAILABLE

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AN ADD-ON TOOLING COST

JULY 2016

| Catalog # | Fitting Size | Hole ID | Description | USD/AUD | QTY | |
|---|---|-----------|-----------------------------|---|-----------------------------|-------|
| <i>In AUSTRALIA Prices are the same but in AUD</i> | | | | | | |
|  | SF100/0.3G | 1/16" | 0.3mm | Ferrules, Graphite, 1/16"1Dx0.3mmID | 25.00 | 10-pk |
| | SF100/0.4G | 1/16" | 0.4mm | Ferrules, Graphite, 1/16"1Dx0.4mmID | 25.00 | 10-pk |
| | SF100/0.5G | 1/16" | 0.5mm | Ferrules, Graphite, 1/16"1Dx0.5mmID | 25.00 | 10-pk |
| | SF100/0.8G | 1/16" | 0.8mm | Ferrules, Graphite, 1/16"1Dx0.8mmID | 25.00 | 10-pk |
| | SF100/1.0G | 1/16" | 1.00mm | Ferrules, Graphite, 1/16x1.00mmID | 25.00 | 10-pk |
| | SF100/1.2G | 1/16" | 1.20mm | Ferrules, Graphite, 1/16x1.20mmID | 25.00 | 10-pk |
| | SF100/2xM0.5G | 1/16" | DblHole | Ferrules, Graphite, 1/16x1Double0.5mmID | 25.00 | 10-pk |
|  | GF200/100 | 1/8" | 1/16" | Ferrules, Graphite, FRONT, 1/8x1/16"1D | 25.00 | 10-pk |
| | SF200/0.4G | 1/8" | 0.4mm | Ferrules, Graphite, 1/8"x0.4mmID | 25.00 | 10-pk |
| | SF200/0.5G | 1/8" | 0.5mm | Ferrules, Graphite, 1/8"x0.5mmID | 25.00 | 10-pk |
| | SF200/0.8G | 1/8" | 0.8mm | Ferrules, Graphite, 1/8"x0.8mmID | 25.00 | 10-pk |
| | SF200/1.0G | 1/8" | 1.0mm | Ferrules, Graphite, 1/8"x1.0mmID | 25.00 | 10-pk |
| | SF200/1.2G | 1/8" | 1.2mm | Ferrules, Graphite, 1/8"x1.2mmID | 25.00 | 10-pk |
| | SF200/100G | 1/8" | 1/16" | Ferrules, Graphite, 1/8"x1/16"ID | 25.00 | 10-pk |
| | SF200/2x0.4G | 1/8" | Dble-Hole | Ferrules, Graphite, 1/8"xDouble0.4mmID | 35.00 | 10-pk |
| | SF200/2x0.5G | 1/8" | Dble-Hole | Ferrules, Graphite, 1/8"xDouble0.5mmID | 35.00 | 10-pk |
| | SF200/2x0.8G | 1/8" | Dble-Hole | Ferrules, Graphite, 1/8"xDouble0.8mmID | 35.00 | 10-pk |
| | SF300/100G | 3/16" | 1/16" | Ferrules, Graphite, 3/16x1/16ID | 25.00 | 10-pk |
| | SFM8.5/5.8mm.5G | 8mm | 5mm0" | Ferrules, Graphite, 18mmx5mmx4.5mm1D | 25.00 | 10-pk |
|  | GF400/200SP | 1/4" | 1/8" | Ferrules, Graphite, 1/4x1/8"ID | 25.00 | 10-pk |
| | SF400/00G | 1/4" | No-Hole | Ferrules, Graphite, 1/4" No-Hole | 25.00 | 10-pk |
| | SF400/100G | 1/4" | 1/16" | Ferrules, Graphite, 1/4"x1/16"ID | 25.00 | 10-pk |
| | SF400/0.5G | 1/4" | 0.5mm | Ferrules, Graphite, 1/4"x0.5mmID | 25.00 | 10-pk |
| | SF400/0.8G | 1/4" | 0.8mm | Ferrules, Graphite, 1/4"x0.8mmID | 25.00 | 10-pk |
| | SF400/200G | 1/4" | 1/8" | Ferrules, Graphite, 1/4"x1/8"ID | 25.00 | 10-pk |
| | SF400/300G | 1/4" | 3/16" | Ferrules, Graphite, 1/4"x3/16"ID | 25.00 | 10-pk |
| | SF400/M6G | 1/4" | 6mm | Ferrules, Graphite, 1/4"x6mmID | 25.00 | 10-pk |
| | GF400/200 | 1/4" | 1/8" | Ferrules, Graphite, FRONT, 1/4x1/8ID | 25.00 | 10-pk |
| | GF400/100 | 1/4" | 1/16" | Ferrules, Graphite, FRONT, 1/4x1/16ID | 25.00 | 10-pk |
| | GF200/100 | 1/8" | 1/16" | Ferrules, Graphite, FRONT, 1/8x1/16ID | 25.00 | 10-pk |
| | SF600/00G | 3/8" | No-Hole | Ferrules, Graphite, 3/8" NoHole | 42.00 | 10-pk |
|  | CF0.3FIS | 1/16" | 0.3mm | Ferrules, Graphite, CaptureCup, 0.3mmIG | 85.00 | 10-pk |
| | CF0.4FIS | 1/16" | 0.4mm | Ferrules, Graphite, CaptureCup, 0.4mmIG | 85.00 | 10-pk |
| | CF0.5FIS | 1/16" | 0.5mm | Ferrules, Graphite, CaptureCup, 0.5mmIG | 85.00 | 10-pk |
| | CF0.8FIS | 1/16" | 0.8mm | Ferrules, Graphite, CaptureCup, 0.8mmIG | 85.00 | 10-pk |
| | CF1.0FIS | 1/16" | 1.0mm | Ferrules, Graphite, CaptureCup, 1.0mmIG | 85.00 | 10-pk |
|  | GF0.3HP | 1/16" | 0.3mm | Ferrules, Graphite, 0.3mmID HP Short | 25.00 | 10-pk |
| | GF0.4HP | 1/16" | 0.4mm | Ferrules, Graphite, 0.4mmID HP Short | 25.00 | 10-pk |
| | GF0.5HP | 1/16" | 0.5mm | Ferrules, Graphite, 0.5mmID HP Short | 25.00 | 10-pk |
| | GF0.8HP | 1/16" | 0.8mm | Ferrules, Graphite, 0.8mmID HP Short | 25.00 | 10-pk |
| | GF1.0HP | 1/16" | 1.0mm | Ferrules, Graphite, 1.0mmID HP Short | 25.00 | 10-pk |
| | GF1.2HP | 1/16" | 1.2mm | Ferrules, Graphite, 1.2mmID HP Short | 25.00 | 10-pk |
| |  | GF100/0.4 | 1/16" | 0.4mm | Ferrules, Graphite, 0.4mmID | 25.00 |
| GF100/0.5 | | 1/16" | 0.5mm | Ferrules, Graphite, 0.5mmID | 25.00 | 10-pk |
| GF100/0.8 | | 1/16" | 0.8mm | Ferrules, Graphite, 0.8mmID | 25.00 | 10-pk |
| GF100/1.0 | 1/16" | 1.0mm | Ferrules, Graphite, 1.0mmID | 25.00 | 10-pk | |

Prices include packing in plastic vials (10-pk), unless specified otherwise. . . . Also available—bulk-packed - for large quantities.

-1 suffix designates order Quantity : each; -50 for a 50-pk at 15% Discount

. . . packed in plastic vials or separately for large sizes. eg packed onto a foam rod for extra strength in transit re GF fragility etc and at our discretion !

HROMalytic +61(0)3 9762 2034
ECHnology Pty Ltd

Australian Distributors
 Importers & Manufacturers
www.chromtech.net.au

Website NEW : www.chromalytic.net.au E-mail : info@chromtech.net.au Tel: 03 9762 2034 . . . in AUSTRALIA

Graphite Ferrules

AUSTRALIAN / INTERNATIONAL FERRULE - PRICE LIST

FERRULES - REDUCING PRICES PER 10-PK (OR EACH) - IN USD / AUD




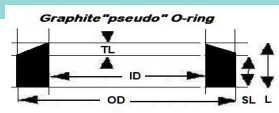
MINIMUM ORDER \$25.00

CUSTOM SIZES ARE AVAILABLE

& MAY INCLUDE

AN ADD-ON TOOLING COST

JULY 2016

| Catalog # | Fitting Size | Hole ID | Description | USD / AUD | QTY | |
|--|--------------------------|---------|----------------|---|-------|-------|
| <i>In AUSTRALIA Prices are the same but in AUD</i> | | | | | | |
| 15%Graphite Polyimide | SF100VG1 | 1/16" | 1/16" | Ferrules, 15% PolyimideGraphite,1/16"ID | 36.00 | 10-pk |
| | SF100/0.3VG1 | 1/16" | 0.3mm | Ferrules, 15% PolyimideGraphite,1/16"x0.3mmID | 36.00 | 10-pk |
| | SF100/0.4VG1 | 1/16" | 0.4mm | Ferrules, 15% PolyimideGraphite,1/16"x0.4mmID | 36.00 | 10-pk |
| | SF100/0.5VG1 | 1/16" | 0.5mm | Ferrules, 15% PolyimideGraphite,1/16"x0.5mmID | 36.00 | 10-pk |
| | SF100/0.8VG1 | 1/16" | 0.8mm | Ferrules, 15% PolyimideGraphite,1/16"x0.8mmID | 36.00 | 10-pk |
| | SF100/1.0VG1 | 1/16" | 1.0mm | Ferrules, 15% PolyimideGraphite,1/16"x1.0mmID | 36.00 | 10-pk |
| | SF100/1.2VG1 | 1/16" | 1.2mm | Ferrules, 15% PolyimideGraphite,1/16"x1.2mmID | 36.00 | 10-pk |
|  | SF200VG1 | 1/8" | 1/8" | Ferrules, 15% PolyimideGraphite,1/8"ID | 42.00 | 10-pk |
| | SF400VG1 | 1/4" | 1/4" | Ferrules, 15% PolyimideGraphite,1/4"ID | 56.00 | 10-pk |
| Teflon(PTFE) | SF100-T | 1/16" | 1/16" | Ferrules,Teflon,1/16"ID | 36.00 | 10-pk |
|  | SF200T | 1/8" | 1/8" | Ferrules,Teflon,1/8"ID | 36.00 | 10-pk |
| | SF400T | 1/4" | 1/4" | Ferrules,Teflon,1/4"ID | 36.00 | 10-pk |
| | SF400/M6T | 1/4" | 6mm | Ferrules,Teflon,1/4"ID to 6mmID | 36.00 | 10-pk |
| PEEK | SF100PK | 1/16" | 1/16" | Ferrules,PEEK,1/16"ID | 36.00 | 10-pk |
|  | DF100PK | 1/16" | 1/16" | Ferrules,PEEK, DbleCone,1/16"ID | 42.00 | 10-pk |
| | SF200PK | 1/8" | 1/8" | Ferrules,PEEK,1/18ID | 42.00 | 10-pk |
| Some CUSTOM "pseudo" Cone | Graphite | | | | | |
| | SF30.0/25.4/6.0/4.2/1.8G | 30.0mm | 25.4mm (1.00") | Graphite O-Rings 1.00"ID | 15.00 | each |
| | | | |  | | |
| Cylindrical | CFOD/ID/L (in mm) | | | Graphite, Cylindrical (add tooling Charge \$100.00) | Ask! | |

NOTES: Graphite Ferrules

SF-Type designates for a Swagelok Fitting :

Chromtech offers only a Single Cone type (normally SL metal ferrules requires Front and Back cone configuration)

CUSTOM Ferrules : ANY size to order - providing it is physically feasible for us to make

We need accurate dimension "specs" OD/ID/Shoulder Length(SL)/Overall Length (L)/ and ConeDiam where necessary to strengthen the Cone Tip. Large ferrules are NOW packed on a "foam" support rod to minimise damage in transit / handling where necessary!

Note: for Swagelok Ferrule shapes; the cone angle is normally 17-deg and by default !

There may be a "once-off" tooling charge of USD90(<1/2"ID) to- \$150 depending on size

- jf this is required for a "special" ie and is NOT not already a stock item.

Quantity Discount
 min Order \$25.00
 \$25-399, less 0%
 \$400-1500 less 15%
 \$1500+ Enquire !
 Applies to Net Order
 Any Sizes - by combo !

Delivery Times : Availability - most standard sizes are ex stock in reasonable Qtys

Production Lead Time : most sizes are ex-stock or 4-5 days production for Qtys' up to 200 each; larger Qtys' approx 7-10+ days from date of order . . . PLUS transit time

Shipping :

In Australia via Local Courier Aud\$15 per 3kg; \$25 Interstate (metro)

International - Air Express Courier Door-to-door.

USA : USD 95.00 per 500g, plus \$20per Kg,

Transit lime : approx 3 to 5 days (most countries eg UK, USA, Canada ...)

Other Countries - please enquire!

Payment by Bank Transfer or Credit Card via on-line PayPal

(we send a separate PP Invoice on request).

PLUS FREIGHT COST
 Int'l Air Courier
 USD95 per 500g
 + \$20perKg
 +Local ONLY
 10%GST
 Melbourne(metro) \$15.00
 Interstate \$25.00

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