

Graphite Ferrules

MINIMUM ORDER \$25.00
CUSTOM SIZES ARE AVAILABLE
 & MAY INCLUDE
 AN ADD-ON TOOLING COST

AUSTRALIAN / INTERNATIONAL FERRULE - PRICE LIST

JULY 2016

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		
1.2mm	SF200/1.2G		
1/16"	SF200/100G		
1/8"	SF200G		
3/16"	SF300G		
1/4" to :			
0.5mm	SF400/0.5G		
0.8mm	SF400/0.8G		
1/16"	SF400/100G		
1/8"	SF400/200G		
6mm	SF400/M6G		
1/4"	SF400G		
3/8"	SF600G		
1/2"	SF800G		
5/8"	SF1000G		
3/4"	SF1200G		
7/8"	SF1400G		
1.0-in	SF1600G		
1-1/4-in	SF2000G		
1-1/2-in	SF2400G		
1-3/4-in	SF2800G		
2.0-in	SF3200G		
Metric			
5mm	SFM5G		
10mm	SFM10G		
12mm	SFM12G		
14mm	SFM14G		
16mm	SFM16G		
18mm	SFM18G		
25mm	SFM25		
32mm	SFM32		
		"Specials"	
		Agilent O-rings	
		6.35mm	GFO-6.35HP
		6.5mm	GFO-6.5HP
		Inlet Seals (Short)	
		0.3mm	GF0.3HP
		0.4mm	GF0.4HP
		0.5mm	GF0.5HP
		0.8mm	GF0.8HP
		1.0mm	GF1.0HP
		1.2mm	GF1.2HP
		(standard)	
		0.3mm	GF100/0.3HP
		0.4mm	GF100/0.4HP
		0.5mm	GF100/0.5HP
		0.8mm	GF100/0.8HP
		1.0mm	GF100/1.0HP
		1.2mm	GF100/1.2HP
		Fisons/CE/	
		0.3mm	CF0.3Fis
		0.4mm	CF0.4Fis
		0.5mm	CF0.5Fis
		0.8mm	CF0.8Fis
		1.0mm	CF1.0Fis
		8mm	CF8.0Fis

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 apply
 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
	SF200/2xM0.5G	3/16"	SF300/00G
1/8" Double-hole	SF200/2xM0.8G	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

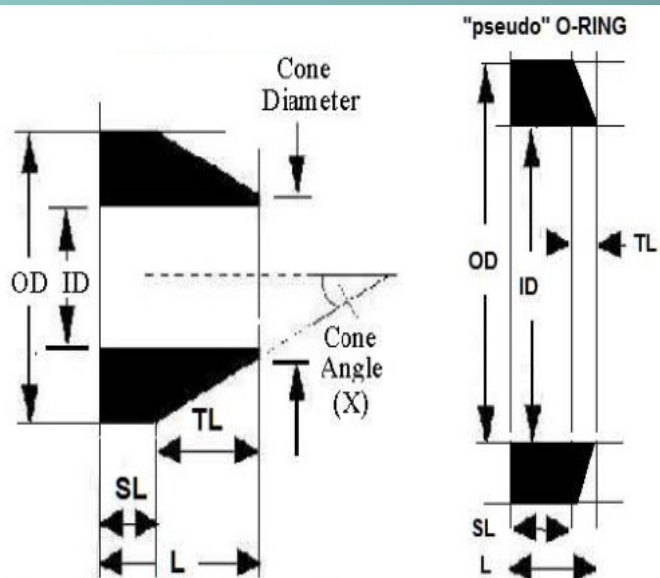
CUSTOM FERRULE SPECIFICATIONS

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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		



One-Piece Swagelok Cone Ferrule SF400G SF30.0/25.4/6.0-4.2-1.8G

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.

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!

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

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"

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Graphite Ferrules

AUSTRALIAN / INTERNATIONAL FERRULE - PRICE LIST

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

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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
SF3200G-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 -1499, 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(TNT/FedEX)
USD95 per 500g
+ \$30perKg
+Local ONLY
10%GST
Melbourne(metro) \$15.00
Interstate \$25.00

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AUSTRALIAN / INTERNATIONAL FERRULE - PRICE LIST

JULY 2016

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

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"	DbIHole	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, 18mmx5mmx4.5mmID	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	10-pk
		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	

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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

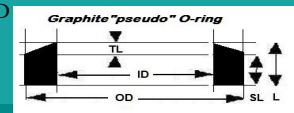
AUSTRALIAN / INTERNATIONAL FERRULE - PRICE LIST

FERRULES - REDUCING & 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>						
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, 1/8ID	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 (<1.0"ID) to - \$120(>1"ID ... depending on size & complexity
 • if 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 Qty's
 Production Lead Time : most sizes are ex-stock or 4-5 days production for Qty's up to 200 each; larger Qty's 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

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 !**