



VICI JOUR - Low Pressure Fittings

VICI JOUR PRODUCTS

Tubing for chromatography

High pressure fittings

- Nanovolume
- Stainless steel
- Polymeric

Low pressure fittings

Filters & mobile phase filters

Mobile phase handling systems

Frits

PEEK columns & guard columns

Sample loops

Accessories/miscellaneous

Flanged Fittings Kit

- A complete kit of flanged fittings and accessories
- All parts biocompatible
- Excellent chemical resistance

The flanged fitting kit contains all the materials that are required to make flanged connections for 1/16" and 1/8" OD tubing: flanged fittings, washers, unions, tubing in four different sizes, our Clean-Cut tubing cutter, and a pair of tweezers.



CUSTOMER SUPPORT

Flanged Fittings Kit

Description	Product No.
Flanged fittings kit	JR-201529

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Index of contents of the Flanged Fitting Kit (Part-No. JR-201529)

Part-No.	Description	Qty
JR-201094Black	Black flanged nut 1/16"	10
JR-201094White	White flanged nut 1/16"	10
JR-201580Black	Black flanged nut 1/8"	10
JR-201580White	White flanged nut 1/8"	10
JR-201928Bushing	1/8" Polypropylene bushing	20
JR-201926Bushing	1/16" Polypropylene bushing	20
JR-060	Union	5
JR-797	Clean-cut tubing cutter	1
JR-4011	1/16" OD x 0.25 mm ID PTFE tubing	3 m
JR-4183	1/16" OD x 0.50 mm ID PTFE tubing	3 m
JR-4036	1/16" OD x 0.75 mm ID PTFE tubing	3 m
JR-6800	1/8" OD x 1.59 mm ID PTFE tubing	3 m
JR-806	Tweezer tool	1



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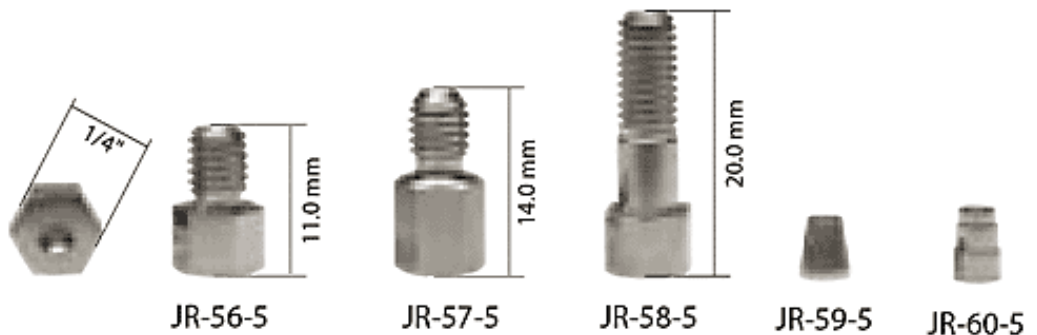
JR-57-5	JR-58-5		JR-59-5	JR-60-5
5	5		5	5
Long head	X-long	Ferrules	Standard	2-step

Rheodyne®-Type SS Nuts and Ferrules

- Excellent fit to Rheodyne fitting details
- Different lengths available
- For 1/16" tubing

These nuts and ferrules are for use with metal Rheodyne valves. Three different lengths are available in order to accommodate any possible connecting situation. The standard nut is suitable for easily accessible connections (couplers, detectors, columns, etc.). For very tight and difficult to reach areas, we recommend the long and extra long nut.

Nuts and ferrules are SS316.



Further Reference

- [Stainless steel tubing](#)
- [ValvTool](#)
- [High pressure nanovolume fittings](#)
- [High pressure polymeric fittings](#)

Rheodyne-Type SS Nuts and Ferrules

Pressure rating: < 500 bar (7250 psi) Varies with tubing material and ID

With 10-32 threads for use with 1/16" tubing

Type	Qty/ pkg	Product No.
Nuts		
Short	5	JR-56-5



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CUSTOMER SUPPORT

VICI SS Unions

- Easy connection of solvent lines
- Low dead volume
- Different bores available
- For 1/16" and 1/8" OD tubing



VICI Stainless Steel Unions are made for joining two pieces of 1/16" OD tubing, or an 1/8" tube to a 1/16" tube.

They are precision machined with a focus on the concentricity of the bore as well as on the finish of the surfaces to give an absolute leak-free connection. VICI SS Unions have internal threads, which we recommend for most applications.

Internal threads make stronger connections and internal fitting details provide the lowest dead volume for high performance instrumentation.

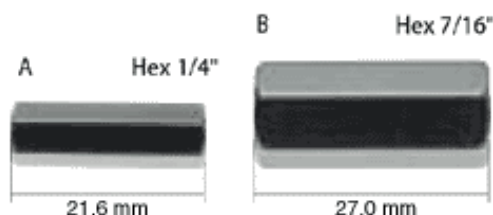
Unions are sold complete with all the necessary fittings. Nuts are SS303; ferrules are SS316; body is SS316.

Further Reference

[Stainless steel tubing](#)

[ValvTool](#)

[Stainless steel nuts and ferrules](#)



Stainless Steel Unions

Pressure rating: < 500 bar (7250 psi) Varies with tubing material and ID

Description	Bore	Drawing	Product No.
1/16" to 1/16" union (10-32 threads)	0.15 mm	A	JR-ZU1XCS6
	0.25 mm	A	JR-ZU1CS6

	0.50 mm	A	JR-ZU1MS6
	0.75 mm	A	JR-ZU1S6
1/8" to 1/16" union (5/16"-24 to 10-32 threads)	0.75 mm	B	JR-ZRU21
Replacement 1/16" nut, pkg. of 5			JR-ZN1-5
Replacement 1/16" ferrule, pkg. of 5			JR-ZF1S6-5
Replacement 1/8" nut, pkg. of 5			JR-ZN2-5
Replacement 1/8" ferrule, pkg. of 5			JR-ZF2S6-5

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VICI SS Tees and Crosses

- Easy connection of solvent lines
- Low dead volume
- Different bores available
- For 1/16" tubing



VICI stainless steel tees & crosses are made for joining solvent lines of tubing. They are precision machined with a focus on the concentricity of the bore as well as on the finish of the surfaces to give an absolute leak free connection. VICI SS tees & crosses have internal threads, which we recommend for most applications. Internal threads make stronger connections and internal fitting details provide the lowest dead volume for high performance instrumentation.

Tees and crosses are sold complete with all the necessary fittings. Nuts are SS303; ferrules are SS316; body is SS316.

Further Reference

- [Stainless steel tubing](#)
- [ValvTool](#)
- [Stainless steel nuts and ferrules](#)

Stainless Steel Tees and Crosses

Pressure rating: < 500 bar (7250 psi) Varies with tubing material and ID

Body dimensions: 23.4 mm dia. x 12.7 mm thick

Description	Bore	Product No.
1/16" tee (10-32 threads)	0.25 mm	JR-ZT1C
	0.50 mm	JR-ZT1M
	0.75 mm	JR-ZT1
1/16" cross (10-32 threads)	0.25 mm	JR-ZX1C
	0.50 mm	JR-ZX1M
	0.75 mm	JR-ZX1

JR-ZN1-5	JR-ZF1S6-5
Replacement 1/16" nut, pkg of 5	Replacement 1/16" ferrule, pkg of 5

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VICI SS Plugs and Caps

- Plug a port or cap a solvent line
- For 1/16" OD or 1/8" OD tubing

Caps are made of SS303, as is the 1/8" plug; the 1/16" plug is SS316. All 1/16" threads are 10-32; 1/8" threads are 5/16"-24.



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Further Reference

- [Stainless steel tubing](#)
- [ValvTool](#)
- [Stainless steel nuts and ferrules](#)

Stainless Steel Plugs and Caps

Description	Product No.
1/16" plug	JR-ZP1
1/8" plug	JR-ZC1
1/16" cap	JR-ZC1
1/8" cap	JR-ZC2

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CUSTOMER SUPPORT

Stainless Steel Starter Kit

- Ideal kit for HPLC users
- For high pressure applications

The Kit consists of fittings, ferrules, tubing, solvent filters, a union, our stainless steel tubing cutter, and other useful tools like our ValvTool, all together in a handy box at a very competitive price!



Stainless Steel Starter Kit

Description	Product No.
SS starter kit	JR-35S

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Part No.	Description	Qty
JR-3675-2	Filter, SS, mobile phase 2 um, 1/8" pipe OD	1
JR-68230-5	Filter, SS, In-Line ID 0.25 mm, complete, frit SS 5 um	1
JR-792	Tool, Tubing Cutter for metal tubing	1
JR-800	Tool, ValvTool 1/4" and 5/16" open wrench	1
JR-804	Tool, wrench 1/4" x 5/16"	1
JR-806	Tool, Tweezers, Polypropylen, Pinzette	1
JR-9000-0532	Filter, SS, Last Drop 10 um, tripod tubing connector	1
JR-LZN1	Nut, SS, X-long, Valco type, 10-32	10
JR-T-625-10-M3	Tubing, SS, 1/16" OD x 0.25 mm ID, 3 m/pkg	1
JR-T-625-20-M3	Tubing, SS, 1/16" OD x 0.50 mm ID, 3 m/pkg	1
JR-T-97030	Tubing, SS, precut 1/16" OD x 0.18 mm ID, length 100 mm	2
JR-T-97060	Tubing, SS, precut 1/16" OD x 0.25 mm ID, length 200 mm	2
JR-ZF1S6	Ferrule, SS, Valco type, 1/16"	20
JR-ZN1	Nut, SS, Valco type, 1/16", 10-32	10
JR-ZU1CS6	Union, SS, bore 0.25 mm, 1/16", 10-32, complete	1

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ChromBox Kit

- For startup and standard use in all HPLC systems

The ChromBox is an all-purpose analytical spare parts kit for all our customers using HPLC. It contains the most often used spare parts made of high quality SS 316L, PEEK, and PTFE. All together for a very competitive price!



ChromBox Kit

Description	Product No.
ChromBox kit	JR-34N

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Part-No.	Description	Qty
JR-061	Union, PEEK, 0.25 mm bore, body only	1
JR-357090	Tubing Elbow 90°	1
JR-357180	Tubing Elbow 180°	1
JR-5004	Ferrule, PEEK, double 1/16"	10
JR-55020-1	Fitting, PEEK, one-piece natural, 10-32	5
JR-5510	Nut, PEEK, hex-head long, 10-32	5
JR-5580	Nut, PEEK, hand-tight, 10-32	5
JR-68250	Filter, PEEK, In-Line, complete, frit PAT PEEK-encased 5 um	1
JR-796	Tool, Tubing Plier for metal tubing	1
JR-797	Tool, Clean-Cut Tubing Cutter	1
JR-800	Tool, ValvTool 1/4" and 5/16" open wrench	1
JR-802	Tool, file	1
JR-804	Tool, wrench 1/4" x 5/16"	2
JR-806	Tool, Tweezers, Polypropylen, Pinzette	1
JR-9000-0530	Filter, SS, Last Drop 2 um	1
JR-9001	Tubing Clip	2
JR-LZN1	Nut, SS, X-long, Valco type, 10-32	5
JR-MZN1	Nut, SS, 1/16" Medium, 10-32	5
JR-T-6001-M3	Tubing, PEEK, 1/16" OD X 0.25 mm ID, blue striped, 3 m/pkg	1
JR-T-6002-M3	Tubing, PEEK, 1/16" OD X 0.50 mm ID, orange striped, 3 m/pkg	1
JR-T-625-10-M3	Tubing, SS, 1/16" OD x 0.25 mm ID, 3 m/pkg	1
JR-T-625-20-M3	Tubing, SS, 1/16" OD x 0.50 mm ID, 3 m/pkg	1
JR-T-6800-M3	Tubing, PTFE, 1/8" OD x 1.59 mm ID, 3 m/pkg	1
JR-ZF1S6	Ferrule, SS, Valco type, 1/16"	10
JR-ZU1MS6	Union, SS, bore 0.50 mm, 1/16", 10-32, complete	1

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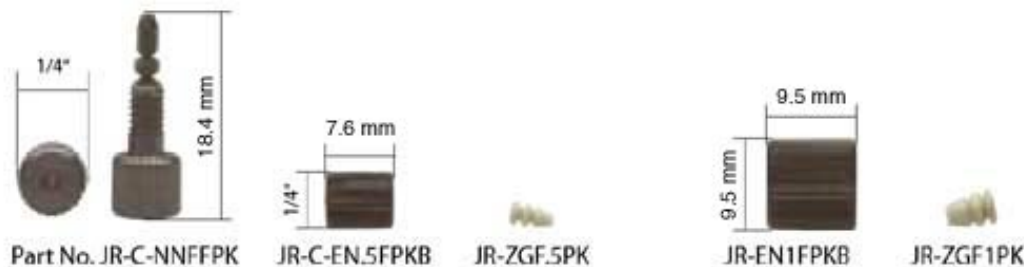
Sample loops

Accessories/miscellaneous

Nanovolume® Nuts and Ferrules

- PEEK - completely biocompatible
- For PEEK, PEEKclad-FST™, and electroformed nickel tubing

VICI nanovolume fittings are designed for capillary LC used in HTS techniques, proteomics, genomics, and other newer developments in industrial routine research. Small sample size, reduction of analysis time, and higher expectations on instrumentation as well as on accessories are required. VICI nanovolume connectors include our new one-piece fingertight fittings for 1/32" OD tubing with a patented* collapsible ferrule. VICI nanovolume fittings are as easy to handle as our standard analytical fittings and unions. The only difference is their size.



PEEK Nanovolume® Nuts and Ferrules

Pressure rating: <350 bar (5000 psi) Varies with tubing material and ID

Threads: Nuts: 6-40; External nuts: 10-32 for 1/16", 8-36 for 1/32"

Description	Product No.
One-piece 1/32" fitting with grooved ferrule	JR-C-NNFFPK
1/32" external nut	JR-C-EN.5FPKB
1/32" grooved ferrule	JR-ZGF.5PK
1/32" plug	JR-C-NPFPK
1/16" external nut	JR-EN1FPKB
1/16" grooved ferrule	JR-ZGF1PK

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Nanovolume® Unions and Reducing Unions

- 100 and 150 micron bores available
- PEEK - completely biocompatible
- For PEEK, PEEKclad-FST™, and electroformed nickel tubing



VICI nanovolume unions and reducing unions are designed for capillary LC used in HTS techniques, proteomics, genomics, and other newer developments in industrial routine research. Small sample size, reduction of analysis time, and higher expectations on instrumentation as well as on accessories are required.

VICI nanovolume unions have one internal and one external 1/32" zero dead volume fitting. The reducing union has an external 1/16" fitting and an internal 1/32" fitting. Both are shipped complete with the proper nuts and ferrules, including our new one-piece fingertight fitting for 1/32" OD tubing where appropriate.

PEEK Nanovolume® Unions and Reducing Unions

Pressure rating: <350 bar (5000 psi) Varies with tubing material and ID

Threads: Nuts: 6-40; External nuts: 10-32 for 1/16", 8-36 for 1/32"

Description	Product No.
100 µm bore union, 1/32" external to 1/32" internal	JR-C-NEU.5XFPK
150 µm bore union, 1/32" external to 1/32" internal	JR-C-NEU.5FPK
150 µm bore reducing union, 1/16" external to 1/32" internal	JR-C-NERU1FPK

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Nanovolume® Tees, Crosses, and Y's

- 100 and 150 micron bores available
- PEEK - completely biocompatible
- For PEEK, PEEKclad-FST™, and electroformed nickel tubing



VICI nanovolume connectors are designed for capillary LC used in HTS techniques, proteomics, genomics, and other newer developments in industrial routine research. Small sample size, reduction of analysis time, and higher expectations on instrumentation as well as on accessories are required.

VICI nanovolume connectors are shipped complete with our new one-piece fingertight fitting for 1/32" OD tubing.

PEEK Nanovolume® Tees, Crosses, and Y's

Pressure rating: <350 bar (5000 psi) Varies with tubing material and ID

Threads: 6-40

Type	Bore	Product No.
Tee	100 µm	JR-C-NTXFPK
	150 µm	JR-C-NTFPK
Cross	100 µm	JR-C-NXXFPK
	150 µm	JR-C-NXFPK
Y	100 µm	JR-C-NYXFPK
	150 µm	JR-C-NYFPK

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PEEK Liners for Nanovolume® Fittings

- Work with the most common FS tubing sizes
- Two lengths for different fitting styles
- Available with embedded 1 µm screen for FS column closure

Use these 1/32" OD natural PEEK liners with nanovolume connectors to adapt to the most common sizes of fused silica tubing. Typically, the shorter liner is used with an external nut, and the longer with a one-piece internal fitting. The liner with an embedded 1 µm screen (SS316L) provides an ideal closure for a fused silica column.

CUSTOMER SUPPORT

1/32" OD PEEK Liners



for FS OD	Length	Qty/ pkg	Product No.
125-175 µm	27	5	JR-C-NL.15L-5
	10	5	JR-C-NL.15S-5
175-225 µm	27	5	JR-C-NL.20L-5
	10	5	JR-C-NL.20S-5
225-275 µm	27	5	JR-C-NL.25L-5
	10	5	JR-C-NL.25S-5
275-325 µm	27	5	JR-C-NL.30L-5
	10	5	JR-C-NL.30S-5
325-375 µm	27	5	JR-C-NL.35L-5
	10	5	JR-C-NL.35S-5



JR-C-NLS1.15-5	JR-C-NLS1.20-5	JR-C-NLS1.25-5	JR-C-NLS1.30-5	JR-C-NLS1.35-5
5	5	5	5	5
28	28	28	28	28
125-175 µm	175-225 µm	225-275 µm	275-325 µm	325-375 µm

1/32" PEEK Liners with Embedded 1µm Screen

for FS OD	Length	Qty/ pkg	Product No.
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PPS One-Piece Hex Head/Fingertight Fittings

- Economically priced alternative to PEEK
- Excellent chemical resistance
- One-piece – no ferrule required
- Slim design – fingertight with adapter
- 10-32 threads, for 1/16" tubing



The new VICI Jour PPS one-piece hex-head/fingertight fitting offers excellent chemical and pressure resistance. The Color-Sleeve adapter, available in twelve colors for color-coding, converts the hex head nut into a fingertight fitting in an instant.



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Chemical Resistance

Acids, organic	A
Acids, inorganic	A/C*
Aldehydes	A
Alcohols	A
Bases	A/B
Esters	A
Halogenated	
org.	A/B

* conc. Halogen acids

A = Suitable

B = Marginal; dependent on application

C = Not recommended

Hydrocarbons	A
Ketones	A

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[High pressure stainless steel fittings](#)

[One-piece fingertight fittings, color-coded PEEK](#)

[One-piece fingertight fittings, natural PEEK](#)

[One-piece hex-head fittings, natural PEEK](#)

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PPS One-Piece Hex-Head/Fingertight Fitting

Pressure rating: <350 bar (5000 psi) Varies with tubing material and ID

Material: PolyPhenylene Sulfide nut, Polypropylene adapter

JR-5508X- 12
12
2 blue 2 red 2 green 2 yellow 2 black 2 white

Description	Color	Qty/ pkg	Product No.	
PPS one-piece fitting, hex-head	Black	5	JR-58000-5	
Color-Sleeve fingertight adapters	Natural	5	JR-55080-5	
	White	5	JR-55081-5	
	Dark grey	5	JR-55082-5	
	Black	5	JR-55083-5	
	Lavender	5	JR-55084-5	
	Red	5	JR-55085-5	
	Yellow	5	JR-55086-5	
	Orange	5	JR-55087-5	
	Brown	5	JR-55088-5	
	Green	5	JR-55089-5	
	Blue	5	JR-55090-5	
	Purple	5	JR-55091-5	
	2 each		24	JR-5508X- 24



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PEEK Color-Coded One-Piece Fingertight Fittings

- Fingertight up to 350 bar (5000 psi)
- Excellent chemical resistance
- One-piece – no ferrule required
- Biocompatible
- 10-32 threads, for 1/16" tubing

To identify various tubing lines the PEEK fingertight fittings are available in six colors. The coloration pigments are carefully chosen to contain no heavy metals or hazardous chemicals.

PEEK fingertight fittings are rated to 350 bar (5000 psi) and can be used in virtually any type of HPLC fitting detail on the market with 10-32 thread.



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[One-piece hex-head fittings, natural PEEK](#)

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JR-55024-5	JR-55025-5
5	5
Blue	Green

PEEK Color-Coded One-Piece Fingertight Fittings, Molded

Color	Qty/ pkg	Product No.
Natural	5	JR-55020-5
Black	5	JR-55021-5
Red	5	JR-55022-5
Yellow	5	JR-55023-5



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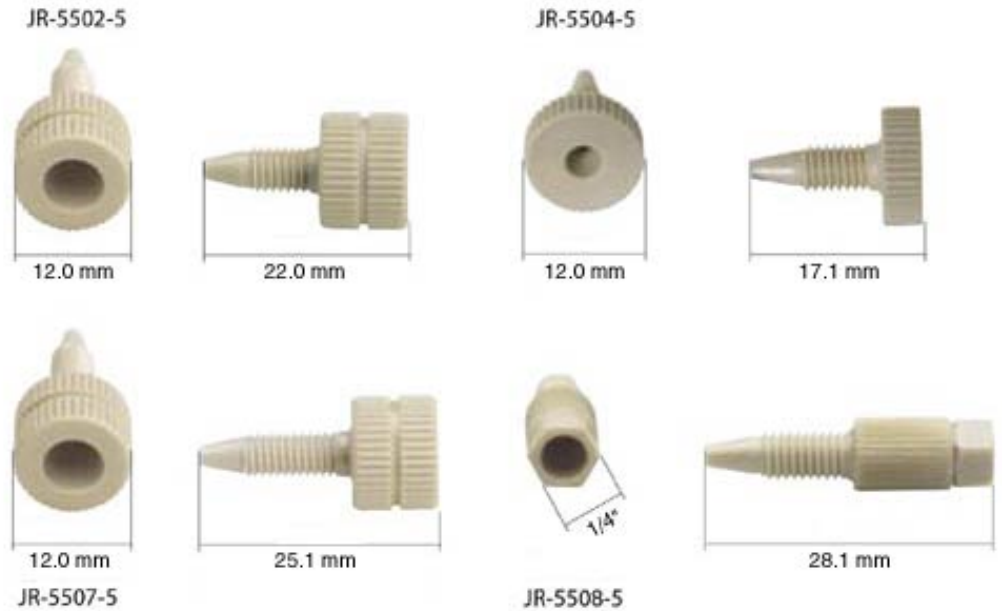
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 High pressure nanovolume fittings
 High pressure stainless steel fittings
 One-piece fingertight fittings, PPS
 One-piece fingertight fittings, color-coded PEEK
 One-piece hex-head fittings, natural PEEK

Natural PEEK One-Piece Fingertight Fittings

- Fingertight up to 350 bar (5000 psi)
- Excellent chemical resistance
- Machined, not molded
- One-piece – no ferrule required
- Biocompatible
- 10-32 threads, for 1/16" tubing



Natural PEEK One-Piece Fingertight Fittings, Machined

Description	Qty/ pkg	Product No.
One-piece 10-32 PEEK fitting	5	JR-5502-5
One-piece 10-32 PEEK fitting, short head	5	JR-5504-5
One-piece 10-32 PEEK fitting, long	5	JR-5507-5
One-piece 10-32 PEEK fitting, narrow hex head	5	JR-5508-5

Further Reference



VICI JOUR - High Pressure Fittings

VICI JOUR PRODUCTS

- Tubing for chromatography
- High pressure fittings
 - Nanovolume
 - Stainless steel
 - Polymeric
- Low pressure fittings
- Filters & mobile phase filters
- Mobile phase handling systems
- Frits
- PEEK columns & guard columns
- Sample loops
- Accessories/miscellaneous

CUSTOMER SUPPORT

Natural PEEK One-Piece Hex-Head Fittings

- Ideal for use with PEEK tubing
- Withstand pressures up to 350 bar (5000 psi)
- For any high pressure fittings

PEEK one-piece hex-head fittings with their integrated ferrule are easy to use with the Valv-Tool and the Color-It color-coded fingertight adapters. The 10-32 thread will fit virtually all standard high-pressure female connections. Connections with the reusable PEEK one-piece hex-head will withstand pressures of up to 350 bar (5000 psi). PEEK one-piece hex-head fittings are available in short and long versions.



Natural PEEK One-Piece Hex-Head Fittings, Machined

Description	Qty/ pkg	Product No.
One-piece 10-32 hex-head PEEK fitting, short	5	JR-55100-5
One-piece 10-32 hex-head PEEK fitting, long	5	JR-55110-5

Further Reference

- [Tubing](#)
- [ValvTool](#)
- [Color-It snap-on fingertight adapters](#)
- [High pressure nanovolume fittings](#)
- [High pressure stainless steel fittings](#)
- [One-piece fingertight fittings, PPS](#)
- [One-piece fingertight fittings, color-coded PEEK](#)
- [One-piece hex-head fittings, natural PEEK](#)



VICI JOUR - High Pressure Fittings

VICI JOUR PRODUCTS

Tubing for chromatography

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- Stainless steel
- Polymeric

Low pressure fittings

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Mobile phase handling systems

Frits

PEEK columns & guard columns

Sample loops

Accessories/miscellaneous

Color-It Fingertight Adapters

- Easy solvent line identification
- Fit all PEEK and SS stainless hex fittings for 1/16" tubing
- Six different colors available

We recommend the Color-It snap-on fingertight extensions for color coding our 1/4" hex-head nuts. Color-It adapters are useful for color coding different solvent lines, plus they turn your hex-head nuts into fingertight fittings in an instant. Color-It adapters are available in six different colors (blue, yellow, green, black, white, and red). They can be used with our PEEK and stainless steel hex-head nuts for 1/16" OD tubing.



CUSTOMER SUPPORT

JR-55016-12

12

2 each color

Further Reference

Tubing

PEEK nuts for use with double ferrule

One-piece hex-head fittings, natural PEEK

High pressure stainless steel fittings

Color-It Fingertight Adapters

Color	Qty/ pkg	Product No.
Blue	5	JR-55010-5
Yellow	5	JR-55011-5
Green	5	JR-55012-5
Black	5	JR-55013-5
White	5	JR-55014-5
Red	5	JR-55015-5



VICI JOUR - High Pressure Fittings

VICI JOUR PRODUCTS

- Tubing for chromatography
- High pressure fittings
 - Nanovolume
 - Stainless steel
 - Polymeric
- Low pressure fittings
- Filters & mobile phase filters
- Mobile phase handling systems
- Frits
- PEEK columns & guard columns
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- Accessories/miscellaneous

CUSTOMER SUPPORT

Further Reference

- Tubing
- ValvTool
- PEEK nuts for use with single ferrule
- One-piece fingertight fittings, PPS
- One-piece fingertight fittings, color-coded PEEK
- One-piece hex-head fittings, natural PEEK
- High pressure nanovolume fittings
- High pressure stainless steel fittings

PEEK Nuts for Use With VICI Jour Double Ferrule

- High pressure rating – up to 420 bar (6000 psi)
- Ideal for use with 1/16" PEEK tubing
- Fits any 10-32 female fitting

These hex-head nuts are for use with VICI Jour double ferrules. The fingertight version may be hand-tightened for operation at up to 420 bar (6000 psi). The hex-head version can be used for connections that are difficult to reach or closely spaced. These fittings fit virtually any female 1/16" fitting, and are ideal for use with PEEK tubing.



PEEK Nuts for Use With Double Ferrule

Tolerances: ± 0.05 mm (.002")

Description	Qty/ pkg	Product No.
PEEK 10-32 hex-head nut for double ferrule, short	5	JR-5511-5
PEEK 10-32 hex-head nut for double ferrule, long	5	JR-5510-5
PEEK 10-32 fingertight nut for double ferrule	5	JR-5580-5
PEEK 10-32 universal fingertight nut for double ferrule	5	JR-5503-5
1/16" PEEK double ferrule	5	JR-5004-5



VICI JOUR - High Pressure Fittings

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CUSTOMER SUPPORT

PEEK Nuts for Use With VICI Jour Single Ferrule

- Reuseable nut, replaceable ferrule
- For 1/16" or 1/8" tubing
- Suitable for high pressure 10-32 and 5/16"-24 ports

Fingertight nuts have a knurled surface designed to allow sufficient sealing force to be applied to the ferrule without wrenches. Hex style nuts allow wrench tightening; however, since they are polymeric, they can break and are recommended for use only when space is limited and fingers will not fit.



PEEK Nuts for Use With Single Ferrule

Pressure rating: < 280 bar (4000 psi). Varies with tubing material and ID.

Description	Qty/ pkg	Product No.
1/16" PEEK fingertight nut for use with single ferrule	5	JR-5570-5
1/16" PEEK single ferrule	5	JR-5503-5
1/8" PEEK fingertight nut for use with single ferrule	5	JR-ZN2PK-5
1/8" PEEK single ferrule	5	JR-ZF2PK-5

Further Reference

[Tubing](#)

[PEEK nuts for use with double ferrule](#)

[One-piece fingertight fittings, PPS](#)

[One-piece fingertight fittings, color-coded PEEK](#)

[One-piece hex-head fittings, natural PEEK](#)

[High pressure nanovolume fittings](#)

[High pressure stainless steel fittings](#)



VICI JOUR - High Pressure Fittings

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CUSTOMER SUPPORT

PEEK Unions

- Easy connection of transfer/solvent lines
- Low dead volume
- Completely inert and biocompatible

VICI Jour PEEK unions are usable with most common HPLC solvents (organic and inorganic) without the risk of corrosion, metal contamination, or protein degradation that might occur with stainless steel. Small diameter bores ensure low dead volume connections. Connections to these PEEK unions can be made with any 10-32 fitting that uses a polymeric ferrule. The unions use the standardized Valco fitting details with smooth transition of the taper into the threaded part.

Unions are available complete with our PEEK one-piece fingertight fittings ready to connect to any 1/16" OD tubing (PEEK, stainless steel, PTFE, ETFE, etc.), or in a "body only" version. The body only version allows you to use **color-coded PEEK one-piece fittings** for easy solvent line identification.



Part No. JR-1061



Part No. JR-ZBU1FPK



Part No. JR-ZRU21FPK

Jump to product numbers for:

- [PEEK unions](#)
- [PEEK bulkhead unions](#)
- [PEEK reducing union](#)
- [Spare parts](#)

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PEEK Unions

Pressure rating: < 350 bar (5000 psi)

Description		Product No.
0.25 mm bore	With PEEK one-piece fittings	JR-1061

	Body only	JR-061
0.50 mm bore	With PEEK one-piece fittings	JR-1066
	Body only	JR-066
0.75 mm bore	With PEEK one-piece fittings	JR-1067
	Body only	JR-067

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PEEK Bulkhead Unions

Pressure rating: < 350 bar (5000 psi)

Mounting requires a 10 mm panel hole.

Description	Product No.
0.25 mm bore, with PEEK one-piece fittings	JR-ZBU1CFPK
0.50 mm bore, with PEEK one-piece fittings	JR-ZBU1MFPK
0.75 mm bore, with PEEK one-piece fittings	JR-ZBU1FPK

PEEK Reducing Union

Pressure rating: < 350 bar (5000 psi)

Description	Product No.
1/8" to 1/16", 0.75 mm bore, with PEEK one-piece fittings	JR-ZRU21FPK

PEEK Union Spare Parts

Description	Qty/pkg	Product No.
PEEK one-piece fitting, black, 10-32; Fits all JR-106X unions	5	JR-55021-5
PEEK hex-head 1/8" nut, 5/16"-24; For JR-ZRU21FPK reducing union	5	JR-ZN2PK-5
PEEK 1/8" ferrule; For JR-ZRU21FPK reducing union	5	JR-ZF2PK-5

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VICI JOUR - High Pressure Fittings

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CUSTOMER SUPPORT

PEEK Tees, Crosses, and Manifolds

- Easy connection of transfer/solvent lines
- Low dead volume
- Completely inert and biocompatible

VICI Jour PEEK tees, crosses, and manifolds are usable with most common HPLC solvents (organic and inorganic) without the risk of corrosion, metal contamination, or protein degradation that might occur with stainless steel. Small diameter bores ensure low dead volume connections. Connections to tees, crosses, and manifolds can be made with any 10-32 fitting that uses a polymeric ferrule. All use the standardized Valco fitting details with smooth transition of the taper into the threaded part.

Tees, crosses, and manifolds are available complete with our PEEK one-piece fingertight fittings ready to connect to any 1/16" OD tubing (PEEK, stainless steel, PTFE, ETFE, etc.), or in a "body only" version. The body only version allows you to use [color-coded PEEK one-piece fittings](#) for easy solvent line identification.



Jump to product numbers for:

[PEEK tees](#)

[PEEK crosses](#)

[PEEK manifolds](#)

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PEEK Tees, High Pressure

Pressure rating: < 350 bar (5000 psi)

Body dimensions: 25.0 mm diameter x 12.0 mm thick

JR-B-Z6M1PK	JR-55021-5
6 inlets to 1 outlet manifold, body only	One-piece PEEK 10-32 fitting, black, pkg of 5

Description		Product No.
0.25 mm bore	With PEEK one-piece fittings	JR-1030
	Body only	JR-2030
0.50 mm bore	With PEEK one-piece fittings	JR-1032
	Body only	JR-2032
0.75 mm bore	With PEEK one-piece fittings	JR-1033
	Body only	JR-2033
One-piece PEEK 10-32 fitting, black, pkg of 5		JR-55021-5

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PEEK Crosses, High Pressure

Pressure rating: < 350 bar (5000 psi)

Body dimensions: 25.0 mm diameter x 12.0 mm thick

Description		Product No.
0.25 mm bore	With PEEK one-piece fittings	JR-1040
	Body only	JR-2040
0.50 mm bore	With PEEK one-piece fittings	JR-1042
	Body only	JR-2042
0.75 mm bore	With PEEK one-piece fittings	JR-1043
	Body only	JR-2043
One-piece PEEK 10-32 fitting, black, pkg of 5		JR-55021-5

PEEK Manifolds, High Pressure

Pressure rating: < 350 bar (5000 psi)

Body dimensions: 25.4 mm diameter x 22.9 mm thick

Description	Product No.
6 inlets to 1 outlet manifold, with PEEK one-piece fittings	JR-Z6M1PK



VICI JOUR - High Pressure Fittings

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Tubing for chromatography

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- Nanovolume
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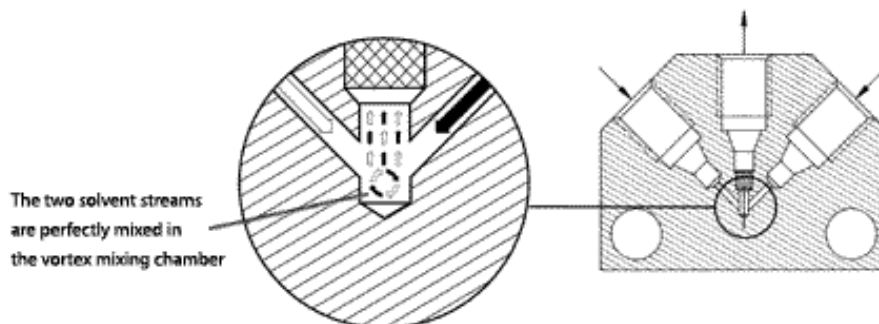
Main VICI site

Biocompatible PEEK Mixing Tee

- High pressure gradient mixing
- Post column reactions
- 350 bar (5000 psi)
- Completely biocompatible



A unique mixing is the result of the turbulence generated by the introduction angle of the solvents as well as the flow through our 5 µm protein-friendly PAT filter element. The two solvent streams mix more thoroughly than with a conventional tee. This biocompatible tee can be used for high-pressure gradient mixing as well as for post column reactions. Comes complete with one-piece fittings for 1/16" tubing.



PEEK Mixing Tee

Tolerances: ± 0.05 mm (.002")

Body dimensions: 25.4 mm x 9.5 mm thick

Internal volume including frit: 4 µl

Description	Product No.
PEEK mixing tee, complete with one-piece fittings	JR-9000-0665

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VICI JOUR - High Pressure Fittings

VICI JOUR PRODUCTS

Tubing for chromatography

High pressure fittings

- Nanovolume
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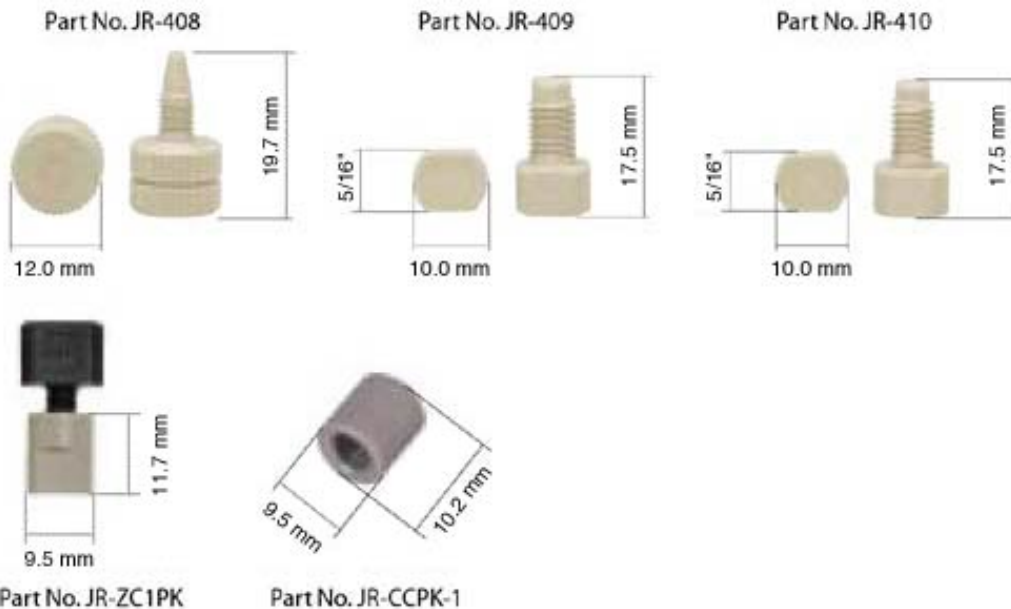
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Main VICI site

PEEK Plugs and Caps

- Plug a port or cap a solvent line
- All common thread sizes available



PEEK Plugs and Caps

Pressure rating: < 350 bar (5000 psi)

Description	Product No.
PEEK plug, 10-32	JR-408
PEEK plug, 1/4"-28	JR-409
PEEK plug, M6	JR-410
PEEK cap, female 10-32	JR-ZC1PK
PEEK cap, female 1/4"-28	JR-CCPK-1

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VICI JOUR - High Pressure Fittings

VICI JOUR PRODUCTS

Tubing for chromatography

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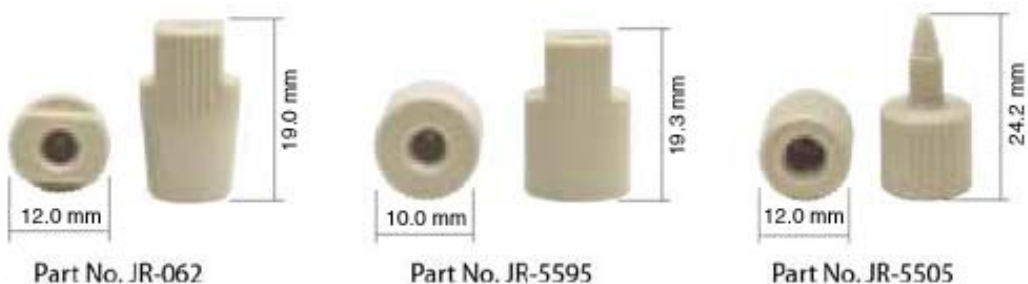
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Main VICI site

PEEK Adapters

- Go from 10-32 to 1/4"-28 or M6 threads
- Easy connection of solvent lines
- Low dead volume
- Completely inert and biocompatible



PEEK Adapters

Description	Product No.
PEEK adapter, 10-32 to 1/4"-28	JR-062
Pharmacia adapter, M6 to 10-32	JR-5595
PEEK adapter, M6 to 10-32	JR-5505

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VICI JOUR - High Pressure Fittings

VICI JOUR PRODUCTS

Tubing for chromatography

High pressure fittings

- Nanovolume
- Stainless steel
- Polymeric

Low pressure fittings

Filters & mobile phase filters

Mobile phase handling systems

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Accessories/miscellaneous

PEEK Port and Luer Adapters

- Go from 10-32 to 1/4"-28 or M6 threads
- Easy connection of solvent lines
- Low dead volume
- Completely inert and biocompatible

PEEK port adapters connect standard LC fittings to standard LC ports. They are available with 1/4"-28, M6, or 10-32 threads (configured for Valco). Male and female Luer adapters connect Luer fittings, 10-32, 1/4"-28, and M6 threaded fittings. All have a 0.40 mm through-hole.

PEEK Port and Luer Adapters

Pressure rating: M6 and 1/4"-28: < 70 bar (1000 psi); Luer: <3.5 bar (50 psi)

	Inlet	Outlet	Product No.
	Waters female	10-32 male	JR-0611
	1/4"-28 female	10-32 male	JR-0612
	1/4"-28 female	M6 male	JR-0622
	1/4"-28 female	Female Luer	JR-0625
	1/4"-28 female	Male Luer	JR-0626
	M6 female	10-32 Male	JR-0613
	M6 female	1/4"-28 Male	JR-0619
	10-32 female	1/4"-28 Male	JR-0617
	10-32 female	Female Luer	JR-0623



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PEEK Starter Kit

- All parts are biocompatible
- Ideal for all HPLC users

For a number of interesting LC applications involving proteins, peptides, nucleic acids, or other samples of biological origin, metal systems may interact with samples or release transition metals that will deactivate columns. By replacing stainless steel parts such as tubing, fittings, ferrules, mobile phase filters, in-line filters, etc. a biocompatible, metal-free environment is created for samples and mobile phase.



The PEEK Starter Kit is ideal for everybody working in the field of biochromatography. The kit consists of fittings, ferrules, tubing, solvent filters, a union, our Clean-Cut tubing cutter, and other useful accessories like our tubing elbows, all together in a handy box at a very competitive price!

PEEK Starter Kit

Description	Product No.
PEEK starter kit	JR-35P

[Complete list of contents \(pdf\)](#)

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Index of contents of the PEEK Starter Kit (Part-No. JR-35P)

Part-No.	Description	Qty
JR-061	Union, PEEK, 0.25 mm bore, body only	1
JR-357090	Tubing Elbow 90°	2
JR-357180	Tubing Elbow 180°	2
JR-5004	Ferrule, PEEK, double 1/16"	20
JR-55020-1	Fitting, PEEK, one-piece natural, 10-32	10
JR-5510	Nut, PEEK, hex-head long, 10-32	5
JR-5580	Nut, PEEK, hand-tight, 10-32	5
JR-68250	Filter, PEEK, In-Line, complete, frit PAT PEEK-encased 5 um	1
JR-797	Tool, Clean-Cut Tubing Cutter	1
JR-806	Tool, Tweezers, Polypropylen, Pinzette	1
JR-9000-0521	Filter, PTFE, Last Drop 5 um, tripod tubing connector	1
JR-T-6002-M3	Tubing, PEEK, 1/16" OD X 0.50 mm ID, orange striped, 3 m/pkg	1
JR-TP-6001-M3	Tubing, Premium, PEEK, 1/16" OD X 0.25 mm ID, blue, dash-stripe, 3 m/pkg	1

Updated April 2005

VICI reserves the right to correct errors and change prices, designs, or specifications without notice or liability. The information on this sheet is correct to the best of our knowledge but is not guaranteed to be so. VICI assumes no responsibility with respect thereto.

VICI JOUR - Tubing for Chromatography

VICI JOUR PRODUCTS

Tubing for chromatography

High pressure fittings

- Nanovolume
- Stainless steel
- Polymeric

Low pressure fittings

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CUSTOMER SUPPORT

PEEK Tubing

- 1/32", 1/16", 1/8", and 1/4" ODs
- Available premium grade tubing with tighter tolerances
- Easy to cut
- Biocompatible



PEEK tubing has the strength required to withstand continuous use at HPLC pressure without swelling or bursting. The dense polymer structure of VICI Jour PEEK tubing eliminates the permeability to organic solvents that causes other polymer tubing, such as ETFE, to "sweat".

VICI Jour tubing is color coded for easy identification of the ID. We recommend "Striped Color-Coded" tubing. It is manufactured of virgin, natural PEEK and therefore ensures maximum chemical resistance and biocompatibility. The color dye is applied only to the outer surface and thus does not contact the fluid stream. "Solid Color-Coded" tubing, however, is made of pre-dyed raw material.

The new VICI Jour striped premium grade PEEK tubing is the best choice for chromatography applications in which exact flow rates or tube volume are important. The tighter tolerance of ± 0.025 mm ensures a more consistent internal volume of the transfer lines.

PEEK tubing is not affected by halide salts, high strength buffers, or other aggressive mobile phases that degrade stainless steel. The polymer surface will not leach metal ions into the eluent or extract metal sensitive components from the sample. By far the most outstanding property of PEEK tubing is its excellent burst pressure.

PEEK is compatible with almost any of the solvents commonly used in HPLC. However, dichloromethane, THF and DMSO may cause swelling in PEEK. Concentrated nitric and sulphuric acid will attack PEEK.

Product Numbers

Jump to product numbers for:

[Premium grade PEEK tubing – Dash-striped color-coded](#)

[PEEK tubing – Striped color-coded](#)

[PEEK tubing – Solid color-coded](#)