

PPS Nuts for 1/4"-28 Flat Bottom Fitting Details

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Specs

Material

Nuts: PPS – PolyPhenylene Sulphide, black
Collapsible ferrules: CTFE
Inverted ferrules: ETFE
Washers: polypropylene
Sleeves: polypropylene

Chemical Resistance of PPS

Chemical Class	Resistance
Acids, organic	A
Acids, inorganic	B/C*
Aldehydes	A
Alcohols	A
Bases	B
Esters	A
Halogenated Org.	A/B
Hydrocarbons	A
Ketones	A

*conc. Halogen Acids

A = suitable

B = marginal – dependant on application

C = not recommended

Detailed chemical resistance chart see page 118, ff

Dimensions

For 1/16" and 1/8" OD tubing

Others: see illustration

Threads

1/4"-28

Pressure Rating

collapsible ferrule:
1/16" up to 105 bar
(1500 psi)

1/8" up to 35 bar (500 psi)

Ferrule/bushing 1/16":
480 bar (7000 psi)

Ferrule/bushing 1/32":
175 bar (2500 psi)

Varies with tubing material and ID

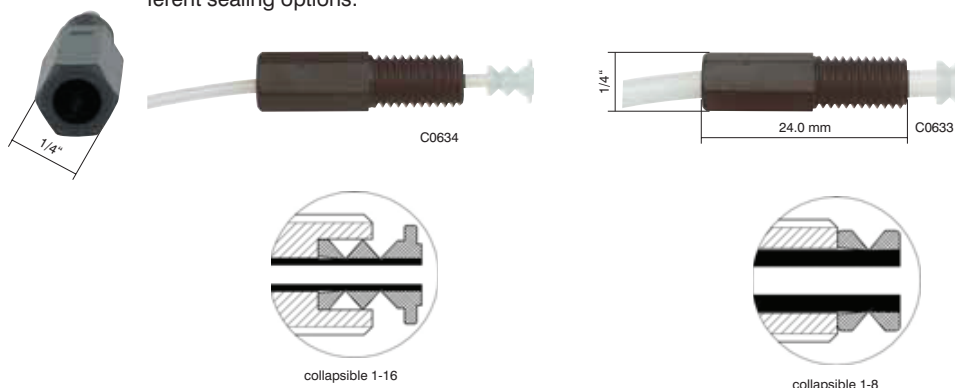
Tech Tip

For flanging tubing we recommend the VICI Jour Easy Flange Kit (see page 32-33)

- Economically priced alternative to PEEK
- Excellent chemical resistance
- Fits 1/16" or 1/8" OD tubing
- Slim design – fingertight with adapter

The VICI Jour PPS 1/4"-28 fitting series offers excellent chemical and pressure resistance. There is a choice of three different sealing options:

collapsible ferrule, inverted ferrule or flanged with washer.



Flangeless type: Collapsible ferrule* connection

Very effective sealing on narrow areas without distortion of the tubing.
No flanging tools required.

Part No.	Description	Qty/pkg
JR-55050-10	Nut, PPS, for collapsible ferrule 1/16", 1/4"-28	10
JR-55051-10	Nut, PPS, for collapsible ferrule 1/8", 1/4"-28	10
JR-CFL-CB1KF	Ferrule, CTFE, collapsible, 1/16"	10
JR-CFL-CB2KF	Ferrule, CTFE, collapsible, 1/8"	10

*collapsible ferrule (see glossary): Patent No. 6,575,501



Use the PEEK ferrule and bushing as follows:

First place the nut on the tubing, than the bushing, than the PEEK ferrule.

Flangeless type: ferrule and bushing

With the PEEK ferrule and the SS bushing you get a high pressure connection in a 1/4"-28 port. Should be used with Nut JR-55050.

Part No.	Description	Qty/pkg
JR-55050-10	Nut, PPS, for collapsible ferrule 1/16", 1/4"-28	10
JR-FPKBSS.5	Bushing, SS and ferrule, PEEK, package 1/32"	10
JR-FPKBSS1	Bushing, SS and ferrule, PEEK, package 1/16"	10

For Color-Sleeve fingertight adapters see page 61.