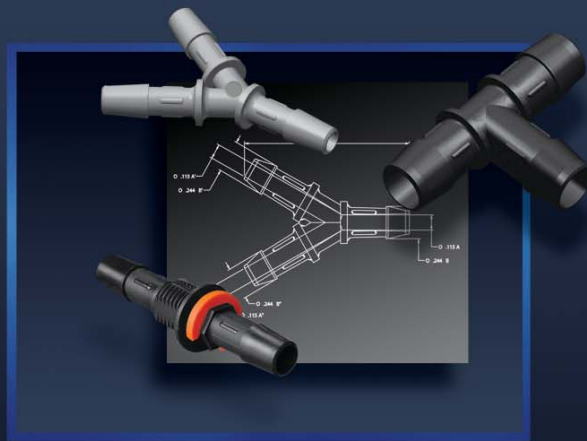




Automotive • Stainless Steel
Industrial • Utility



Industrial
Automotive



Transportation & Automotive Fittings

Industrial & utility fittings

Eldon James

ISO 9001
Quality System



Oetiker Stainless Steel Clamps - An expanded range of sizes and configurations are now available.

New Marine Fittings: produced with specially engineered thread molds that compensate for swelling due to Nylon's hygroscopic property (its ability of to attract water molecules from the surrounding environment).



Biofuels Compatible Fittings Kits:
Kynar® Fittings - resistant to ethanol and organic acids found in biofuels.



BN - Black Nylon

BN -Temperature Range -50 °F to 275 °F • Pressure 150 psi @ 70 °F
> High impact resistance and tensile strength - Resistant to fuels and lubricants
> Commonly used in fuel line, vacuum system and general purpose applications
> Automotive industry approved material



GFBN - Glass-Filled Black Nylon

GFBN -Temperature Range -50 °F to 275 °F • Pressure 150 psi @ 70 °F
> Heat Deflection Temperature - ASTM D64: 475 °F (246 °C) @ 264 psi
> GFBN exhibits enhanced impact resistance resulting from the inclusion of glass fibers • Commonly used in under-the-hood, heater and coolant applications.
> Automotive industry approved material

Please read disclaimer on page 4

Automotive Approvals:

Eldon James part numbers shown in the Automotive Fittings Section that have a **BN** suffix are molded from materials that have the following approvals:

GM.....GMP.PA66.062(N)
Ford.....(ESA-M4D379-A&B) WSK-M4D666-A
DCX.....DB41 CPN2565
Delphi.....DCM5150
Other Approvals: SAEJ1639PA0172, ASTMD4066PA0181



Automotive Approvals:

Eldon James part numbers with the **GFBN** suffix are molded from materials that have the following approvals:

GM.....GMP.PA66.013
Ford.....WSK-M4D663-A
Other Approvals: ASTMPA12G35



Stainless Steel Fittings

Pharmaceutical • Automotive • Industrial • Dairy • Beverage

Modern design combined with state-of-the-art metallurgy has enabled Eldon James to offer MIM (Metal Injection Molded) fittings in seamless configurations impossible to produce with welded fabrication. In addition, our molybdenum bearing, austenitic 316L stainless products are far more resistant to pitting and corrosion than those built using welded 304 stainless steel construction.

SS Adapters

316L Stainless Steel



RoHS Compliant

316L fittings are designed to withstand extreme conditions
Heat • Corrosion • Impact

Size	Part Number	316L Stainless	Metric Hose ID
1/8" NPT • 1/4"	A2-4	SS	6.35 mm
1/4" NPT • 1/4"	A4-4	SS	6.35 mm
1/4" NPT • 5/16"	A4-5	SS	7.94 mm

SS Couplers

316L Stainless Steel



RoHS Compliant

Size	Part Number	316L Stainless	Metric Hose ID
1/8"	C0-2	SS	3.18 mm
5/32"	C0-2.5	SS	3.97 mm
3/16"	C0-3	SS	4.76 mm
1/4"	C0-4	SS	6.35 mm
5/16"	C0-5	SS	7.94 mm
3/8"	C0-6	SS	9.50 mm
1/2"	C0-8	SS	12.7 mm
5/8"	C0-10	SS	15.9 mm
3/4"	C0-12	SS	19.0 mm

SS Couplers - Reduction

316L Stainless Steel



RoHS Compliant

Size	Part Number	316L Stainless	Metric Hose ID
1/8" • 3/32"	C2-1.5	SS	3.18 mm • 2.38 mm
5/32" • 3/32"	C2.5-1.5	SS	3.97 mm • 2.38 mm
1/4" • 1/8"	C4-2	SS	6.35 mm • 3.18 mm
1/4" • 5/32"	C4-2.5	SS	6.35 mm • 3.97 mm
1/4" • 3/16"	C4-3	SS	6.35 mm • 4.76 mm
5/16" • 1/4"	C5-4	SS	7.94 mm • 6.35 mm
1/2" • 1/4"	C8-4	SS	12.7 mm • 6.35 mm
3/4" • 1/2"	C12-8	SS	19.0 mm • 12.7 mm

Eldon James 316L Stainless Steel range of products is manufactured to meet the chemical and mechanical property specifications of ASTM A240 and ASME SA-240

* Metric (mm) sizes shown are measured at the approximate midway point on the barb's taper. The barb's dimension will be slightly larger at the maximum circumference and slightly smaller the barb's insert point.

Stainless Steel Fittings

SS Elbows 316L Stainless Steel



RoHS Compliant

Size	Part Number	316L Stainless	Metric Hose ID
1/8"	L0-2	SS	3.18 mm
5/32"	L0-2.5	SS	3.97 mm
3/16"	L0-3	SS	4.76 mm
1/4"	L0-4	SS	6.35 mm
5/16"	L0-5	SS	7.94 mm
3/8"	L0-6	SS	9.50 mm
1/2"	L0-8	SS	12.7 mm
5/8"	L0-10	SS	15.9 mm
3/4"	L0-12	SS	19.0 mm

SS Elbow - Reduction 316L Stainless Steel



RoHS Compliant

Size	Part Number	316L Stainless	Metric Hose ID
3/8" • 5/16"	RL6-5	SS	9.50 mm • 7.94 mm

316L fittings are designed to withstand extreme conditions
Heat • Corrosion • Impact

SS Tees 316L Stainless Steel



RoHS Compliant

Size	Part Number	316L Stainless	Metric Hose ID
1/8"	T0-2	SS	3.18 mm
5/32"	T0-2.5	SS	3.97 mm
3/16"	T0-3	SS	4.76 mm
1/4"	T0-4	SS	6.35 mm
5/16"	T0-5	SS	7.94 mm
3/8"	T0-6	SS	9.50 mm
1/2"	T0-8	SS	12.7 mm
5/8"	T0-10	SS	15.9 mm
3/4"	T0-12	SS	19.0 mm

SS Tee - Reduction 316L Stainless Steel



RoHS Compliant

Size	Part Number	316L Stainless	Metric Hose ID
1/8" • 5/16"	RT2-5	SS	3.18 mm • 7.94 mm
3/8" • 5/16"	RT6-5	SS	9.50 mm • 7.94 mm
1/2" • 5/16"	RT8-5	SS	12.7 mm • 7.94 mm
5/8" • 5/16"	RT10-5	SS	15.9 mm • 7.94 mm
5/8" • 3/8"	RT10-6	SS	15.9 mm • 9.50 mm

Stainless Steel

Stainless Steel Fittings

SS Y-Connectors 316L Stainless Steel



RoHS Compliant

Size	Part Number	316L Stainless	Metric Hose ID
5/32"	Y0-2.5	SS	3.97 mm
3/16"	Y0-3	SS	4.76 mm
5/16"	Y0-5	SS	7.94 mm
3/8"	Y0-6	SS	9.50 mm
1/2"	Y0-8	SS	12.7 mm

316L Stainless steel - Chemical Compatibility

Acetic Acid	A	Hydrofluoric Acid	B
Acetone	A	Isopropyl Alcohol	B
Air	A	Methyl Ethyl Ketone (MEK)	A
Ammonia	A	Methanol	A
Benzene	B	Oxygen	A
Carbon Dioxide	A	Ozone	A
Chlorine Water	C	Steam	A
Ethanol	A	Sulfuric Acid	B
Ethylene Glycol	A	Toluene	A
Gasoline, Unleaded	A	Trichloroethylene	B
Hydrochloric Acid	D	Water, Fresh	A

A = Excellent (No Effect) **B** = Good (Minor Effect) **C** = Fair (Moderate Effect) **D** = Poor (Severe Effect)

NOTE: Eldon James stainless steel fittings have been developed for use with specialty tubing and hose. Applications using rigid, high durometer, thick walled tubing or hose may require a smaller fitting; therefore, individual part sampling is recommended prior to placing a quantity order.

Eldon James maintains stock for most sizes of stainless steel fittings; however, due to the complex multi-stage process involved in producing metal injected fittings, the production lead time for large quantity orders is a minimum of 6-8 weeks.

SS Barb Specifications

Hose ID Size	Metric Equivalent	Thru Hole ID	Barb Diameter	Hose ID Size	Metric Equivalent	Thru Hole ID	Barb Diameter
3/32"	2.38 mm	.066"	.152"	5/16"	7.94 mm	.217"	.372"
1/8"	3.18 mm	.082"	.180"	3/8"	9.50 mm	.312"	.498"
5/32"	3.97 mm	.100"	.215"	1/2"	12.7 mm	.400"	.619"
3/16"	4.76 mm	.127"	.260"	5/8"	15.9 mm	.495"	.743"
1/4"	6.35 mm	.167"	.314"	3/4"	19.0 mm	.667"	.956"

Data presented for properties of materials and chemical resistance is for reference only. Customer applications and conditions of use are beyond our control; therefore, it is imperative that customers test Eldon James products in their specific application to determine suitability. All information is provided without implied or expressed warranty or guarantee. None of the information provided constitutes a recommendation or endorsement of any kind by Eldon James Corporation.

Adapters - Miniature

RoHS Compliant

Adapters

Automotive Materials

Excellent Tensile Strength
Automotive Approvals

10-32 UNF • 10-32 Taper • 1/4-28 UNF • 1/16" NPT

5 mm • 6 mm

Thread - Barb	Part Number	BN
10-32 UNF • 3/32"	A1032-1.5	BN
10-32 UNF • 1/8"	A1032-2	BN
10-32 UNF • 5/32"	A1032-2.5	BN
10-32 Taper • 3/32"	A1032T-1.5	BN
10-32 Taper • 1/8"	A1032T-2	BN
10-32 Taper • 5/32"	A1032T-2.5	BN
1/4-28 UNF • 3/32"	A1428-1.5	BN
1/4-28 UNF • 1/8"	A1428-2	BN
1/4-28 UNF • 5/32"	A1428-2.5	BN
1/4-28 UNF • 3/16"	A1428-3	BN
1/16" NPT • 3/32"	A1-1.5	BN
1/16" NPT • 1/8"	A1-2	BN
1/16" NPT • 5/32"	A1-2.5	BN
1/16" NPT • 3/16"	A1-3	BN
1/16" NPT • 1/4"	A1-4	BN

Thread - Barb	Part Number	BN
Metric Threads		
5 mm • 3/32"	A5M-1.5	BN
5 mm • 1/8"	A5M-2	BN
5 mm • 5/32"	A5M-2.5	BN
6 mm • 3/32"	A6M-1.5	BN
6 mm • 1/8"	A6M-2	BN
6 mm • 5/32"	A6M-2.5	BN
6 mm • 3/16"	A6M-3	BN

ISO 9001

Quality System



1/16" barb size Black Nylon Adapters are listed in the Industrial Fittings Section



Marine Fittings - see page 89

Adapters 1/8"-1" NPT

RoHS Compliant

Thread - Barb	Part Number	BN
1/8" NPT • 3/32"	A2-1.5	BN
1/8" NPT • 1/8"	A2-2	BN
1/8" NPT • 5/32"	A2-2.5	BN
1/8" NPT • 3/16"	A2-3	BN
1/8" NPT • 1/4"	A2-4	BN
1/8" NPT • 5/16"	A2-5	BN
1/8" NPT • 3/8"	A2-6	BN
1/4" NPT • 1/8"	A4-2	BN
1/4" NPT • 5/32"	A4-2.5	BN
1/4" NPT • 3/16"	A4-3	BN
1/4" NPT • 1/4"	A4-4	BN
1/4" NPT • 5/16"	A4-5	BN
1/4" NPT • 3/8"	A4-6	BN
1/4" NPT • 1/2"	A4-8	BN
3/8" NPT • 1/4"	A6-4	BN
3/8" NPT • 5/16"	A6-5	BN
3/8" NPT • 3/8"	A6-6	BN
3/8" NPT • 1/2"	A6-8	BN

Thread - Barb	Part Number	GFBN
1/8" NPT • 3/32"	A2-1.5	n/a
1/8" NPT • 1/8"	A2-2	GFBN
1/8" NPT • 5/32"	A2-2.5	GFBN
1/8" NPT • 3/16"	A2-3	GFBN
1/8" NPT • 1/4"	A2-4	GFBN
1/8" NPT • 5/16"	A2-5	GFBN
1/8" NPT • 3/8"	A2-6	GFBN
1/4" NPT • 1/8"	A4-2	GFBN
1/4" NPT • 5/32"	A4-2.5	GFBN
1/4" NPT • 3/16"	A4-3	GFBN
1/4" NPT • 1/4"	A4-4	GFBN
1/4" NPT • 5/16"	A4-5	GFBN
1/4" NPT • 3/8"	A4-6	GFBN
1/4" NPT • 1/2"	A4-8	GFBN
3/8" NPT • 1/4"	A6-4	GFBN
3/8" NPT • 5/16"	A6-5	GFBN
3/8" NPT • 3/8"	A6-6	GFBN
3/8" NPT • 1/2"	A6-8	GFBN

Black Nylon BN

Glass-Filled Black Nylon GFBN

Continued

Adapters 1/8"-1" NPT

RoHS Compliant

Adapters

Thread - Barb	Part Number	BN
1/2" NPT • 1/4"	A8-4	BN
1/2" NPT • 5/16"	A8-5	BN
1/2" NPT • 3/8"	A8-6	BN
1/2" NPT • 1/2"	A8-8	BN
1/2" NPT • 5/8"	A8-10	BN
1/2" NPT • 3/4"	A8-12	BN
3/4" NPT • 1/4"	A12-4	BN
3/4" NPT • 3/8"	A12-6	BN
3/4" NPT • 1/2"	A12-8	BN
3/4" NPT • 5/8"	A12-10	BN
3/4" NPT • 3/4"	A12-12	BN
3/4" NPT • 1"	A12-16	BN
1" NPT • 1"	A16-16	BN

Thread - Barb	Part Number	GFBN
1/2" NPT • 1/4"	A8-4	GFBN
1/2" NPT • 5/16"	A8-5	GFBN
1/2" NPT • 3/8"	A8-6	GFBN
1/2" NPT • 1/2"	A8-8	GFBN
1/2" NPT • 5/8"	A8-10	GFBN
1/2" NPT • 3/4"	A8-12	GFBN
3/4" NPT • 1/4"	A12-4	GFBN
3/4" NPT • 3/8"	A12-6	GFBN
3/4" NPT • 1/2"	A12-8	GFBN
3/4" NPT • 5/8"	A12-10	GFBN
3/4" NPT • 3/4"	A12-12	GFBN
3/4" NPT • 1"	A12-16	GFBN
1" NPT • 1"	A16-16	GFBN

Bulkhead Adapters**Adapters**Miniature Bulkhead
RoHS Compliant

Standard Size Bulkheads page 75

No Flange

With Flange



Barb - Barb 1 2	Part Number	BN
10-32 UNF Thread (No Flange)		
3/32" • 3/32"	BH 1032 1.5-1.5	BN
1/4-28 UNF Thread (No Flange)		
1/8" • 3/32"	BH 1428 2-1.5	BN
1/8" • 1/8"	BH 1428 2-2	BN

Barb - Barb 1 2	Part Number	BN
1/8" Straight NPSM Thread (With Flange)		
3/16" • 3/32"	BH 2S 3-1.5	BN
3/16" • 1/8"	BH 2S 3-2	BN
3/16" • 5/32"	BH 2S 3-2.5	BN
3/16" • 3/16"	BH 2S 3-3	BN
1/4" • 3/32"	BH 2S 4-1.5	BN
1/4" • 1/8"	BH 2S 4-2	BN
1/4" • 5/32"	BH 2S 4-2.5	BN
1/4" • 3/16"	BH 2S 4-3	BN
1/4" • 1/4"	BH 2S 4-4	BN

Barb - Barb 1 2	Part Number	BN
5/16-24 UNF Thread (With Flange)		
5/32" • 3/32"	BH 51624 2.5-1.5	BN
5/32" • 1/8"	BH 51624 2.5-2	BN
5/32" • 5/32"	BH 51624 2.5-2.5	BN
3/16" • 3/32"	BH 51624 3-1.5	BN
3/16" • 1/8"	BH 51624 3-2	BN
3/16" • 5/32"	BH 51624 3-2.5	BN
3/16" • 3/16"	BH 51624 3-3	BN

Barb - Barb 1 2	Part Number	BN
1/4" NPSM Straight Thread (With Flange)		
3/16" • 3/32"	BH 4S 3-1.5	BN
3/16" • 1/8"	BH 4S 3-2	BN
3/16" • 5/32"	BH 4S 3-2.5	BN
3/16" • 3/16"	BH 4S 3-3	BN
1/4" • 3/32"	BH 4S 4-1.5	BN
1/4" • 1/8"	BH 4S 4-2	BN
1/4" • 5/32"	BH 4S 4-2.5	BN
1/4" • 3/16"	BH 4S 4-3	BN

1/16" barb size Black Nylon Adapters are listed in the Industrial Fittings Section

90° Bulkheads

90° Bulkhead - Miniature RoHS Compliant



Barb - Barb 1 2	Part Number	BN
10-32 UNF Thread (No Flange)		
3/32" • 3/32"	BHL 1032 1.5-1.5	BN
1/4-28 UNF Thread (No Flange)		
1/8" • 3/32"	BHL 1428 2-1.5	BN
1/8" • 1/8"	BHL 1428 2-2	BN

Barb - Barb 1 2	Part Number	BN
5/16-24 UNF Thread (With Flange)		
5/32" • 3/32"	BHL 51624 2.5-1.5	BN
5/32" • 1/8"	BHL 51624 2.5-2	BN
5/32" • 5/32"	BHL 51624 2.5-2.5	BN

Barb - Barb 1 2	Part Number	BN
1/8" NPSM Straight Thread (With Flange)		
1/4" • 3/32"	BHL 2S 4-1.5	BN
1/4" • 1/8"	BHL 2S 4-2	BN
1/4" • 5/32"	BHL 2S 4-2.5	BN
1/4" • 3/16"	BHL 2S 4-3	BN
1/4" • 1/4"	BHL 2S 4-4	BN
1/4" NPSM Straight Thread (With Flange)		
1/4" • 3/32"	BHL 4S 4-1.5	BN
1/4" • 1/8"	BHL 4S 4-2	BN
1/4" • 5/32"	BHL 4S 4-2.5	BN
1/4" • 3/16"	BHL 4S 4-3	BN
1/4" • 1/4"	BHL 4S 4-4	BN

*1/16" barb size Black Nylon 90° Bulkheads are listed in the Industrial Fittings Section

Adapters - Bulkhead

Standard
RoHS Compliant

Color Code Clips Pg. 22



Barb - Barb 1 2	Part Number	BN
1/4" NPSM Straight Thread (With Flange)		
1/4" • 1/4"	BH 4S 4-4	BN
5/16" • 1/4"	BH 4S 5-4	BN
5/16" • 5/16"	BH 4S 5-5	BN
3/8" • 1/4"	BH 4S 6-4	BN
3/8" • 5/16"	BH 4S 6-5	BN
3/8" • 3/8"	BH 4S 6-6	BN

Bulkhead & Panel Mount - Nuts



Thread Spec.	Part Number	Black Nylon	Natural Nylon
10-32 UNF Thread	HEX1032	HEX1032 BN	HEX1032 NN
1/4-28 UNF Thread	HEX1428	HEX1428 BN	HEX1428 NN
5/16-24 UNF Thread	HEX51624	HEX51624 BN	HEX51624 NN
1/8" NPSF Straight Thread	HEX1827	HEX1827 BN	HEX1827 NN
1/4" NPSF Straight Thread	G102-150	G102-150-78	G102-150-18

Black Nylon BN

Glass-Filled Black Nylon GFBN

Adapter Panel Mount

Miniature
RoHS Compliant



With Flange



No Flange

Panel Mounts

Standard larger sizes on following page

Thread - Barb	Part Number	BN
10-32 UNF Thread (No Flange)		
1032 UNF • 3/32"	PM 1032-1.5	BN
1032 UNF • 1/8"	PM 1032-2	BN
1032 UNF • 5/32"	PM 1032-2.5	BN
1/4-28 UNF Thread (No Flange)		
1/4-28 UNF • 3/32"	PM 1428-1.5	BN
1/4-28 UNF • 1/8"	PM 1428-2	BN
1/4-28 UNF • 5/32"	PM 1428-2.5	BN
1/4-28 UNF • 3/16"	PM 1428-3	BN

Thread - Barb	Part Number	BN
1/8" NPSM Straight Thread (With Flange)		
1/8" NPSM • 3/32"	PM 2S-1.5	BN
1/8" NPSM • 1/8"	PM 2S-2	BN
1/8" NPSM • 5/32"	PM 2S-2.5	BN
1/8" NPSM • 3/16"	PM 2S-3	BN
1/8" NPSM • 1/4"	PM 2S-4	BN
1/4" NPSM Straight Thread (With Flange)		
1/4" NPSM • 3/32"	PM 4S-1.5	BN
1/4" NPSM • 1/8"	PM 4S-2	BN

Thread - Barb	Part Number	BN
5/16-24 UNF Thread (With Flange)		
5/16-24 UNF • 3/32"	PM 51624-1.5	BN
5/16-24 UNF • 1/8"	PM 51624-2	BN
5/16-24 UNF • 5/32"	PM 51624-2.5	BN
5/16-24 UNF • 3/16"	PM 51624-3	BN
5/16-24 UNF • 1/4"	PM 51624-4	BN



**Panel Mount & Bulkhead
Color Code Mounting Rings**



See page 22

*1/16" barb size Black Nylon Panel Mounts are listed in the Industrial Fittings Section

Large barb 1/4" NPSM sizes →

90° Panel Mount

Miniature
RoHS Compliant



With Flange



No Flange

90° Panel Mounts

Panel Mount Nuts
see opposite page



Thread - Barb	Part Number	BN
10-32 UNF Thread (No Flange)		
1032 UNF • 3/32"	PML 1032-1.5	BN
1032 UNF • 1/8"	PML 1032-2	BN
1/4-28 UNF Thread (No Flange)		
1/4-28 UNF • 3/32"	PML 1428-1.5	BN
1/4-28 UNF • 1/8"	PML 1428-2	BN
1/4-28 UNF • 5/32"	PML 1428-2.5	BN

Thread - Barb	Part Number	BN
5/16-24 UNF Thread (With Flange)		
5/16-24 UNF • 3/32"	PML 51624-1.5	BN
5/16-24 UNF • 1/8"	PML 51624-2	BN
5/16-24 UNF • 5/32"	PML 51624-2.5	BN

Thread - Barb	Part Number	BN
1/8" Straight NPSM Thread (With Flange)		
1/8" NPSM • 3/32"	PML 2S-1.5	BN
1/8" NPSM • 1/8"	PML 2S-2	BN
1/8" NPSM • 5/32"	PML 2S-2.5	BN
1/8" NPSM • 3/16"	PML 2S-3	BN
1/8" NPSM • 1/4"	PML 2S-4	BN
1/4" NPSM Thread (With Flange)		
1/4" NPSM • 3/32"	PML 4S-1.5	BN
1/4" NPSM • 1/8"	PML 4S-2	BN
1/4" NPSM • 5/32"	PML 4S-2.5	BN
1/4" NPSM • 3/16"	PML 4S-3	BN
1/4" NPSM • 1/4"	PML 4S-4	BN

*1/16" barb size Black Nylon 90° Panel Mounts are listed in the Industrial Fittings Section

Adapter Panel Mounts

Standard Size
RoHS Compliant

Panel Mounts



←Miniature sizes

Thread - Barb	Part Number	BN
1/4" NPSM Straight Thread (With Flange)		
1/4" NPSM • 5/32"	PM 4S-2.5	BN
1/4" NPSM • 3/16"	PM 4S-3	BN
1/4" NPSM • 1/4"	PM 4S-4	BN
1/4" NPSM • 5/16"	PM 4S-5	BN
1/4" NPSM • 3/8"	PM 4S-6	BN
1/4" NPSM • 1/2"	PM 4S-8	BN

Thread - Barb	Part Number	GFBN
1/4" NPSM Straight Thread (With Flange)		
1/4" NPSM • 5/32"	PM 4S-2.5	GFBN
1/4" NPSM • 3/16"	PM 4S-3	GFBN
1/4" NPSM • 1/4"	PM 4S-4	GFBN
1/4" NPSM • 5/16"	PM 4S-5	GFBN
1/4" NPSM • 3/8"	PM 4S-6	GFBN
1/4" NPSM • 1/2"	PM 4S-8	GFBN

Couplers - Straight

RoHS Compliant

Couplers



Barb Size	Part Number	BN
1/16"	C0-1*	**
3/32"	C0-1.5	BN
1/8"	C0-2	BN
5/32"	C0-2.5	BN
3/16"	C0-3	BN
1/4"	C0-4	BN
5/16"	C0-5	BN
3/8"	C0-6	BN
1/2"	C0-8	BN
5/8"	C0-10	BN
3/4"	C0-12	BN
1"	C0-16	BN

Barb Size	Part Number	GFBN
1/16"	C0-1	n/a
3/32"	C0-1.5	n/a
1/8"	C0-2	n/a
5/32"	C0-2.5	GFBN
3/16"	C0-3	GFBN
1/4"	C0-4	GFBN
5/16"	C0-5	GFBN
3/8"	C0-6	GFBN
1/2"	C0-8	GFBN
5/8"	C0-10	GFBN
3/4"	C0-12	GFBN
1"	C0-16	GFBN

**1/16" barb size Black Nylon Couplers are listed in the Industrial Fittings Section



BN - Black Nylon



GFBN - Glass-Filled Black Nylon

BN -Temperature Range -50 °F to 275 °F • Pressure 150 psi @ 70 °F
 > High impact resistance and tensile strength - Resistant to fuels and lubricants
 > Commonly used in fuel line, vacuum system and general purpose applications
 > Automotive industry approved material

GFBN -Temperature Range -50 °F to 275 °F • Pressure 150 psi @ 70 °F
 > Heat Deflection Temperature - ASTM D64: 475 °F (246 °C) @ 264 psi
 > GFBN exhibits enhanced impact resistance resulting from the inclusion of glass fibers • Commonly used in under-the-hood, heater and coolant applications.
 > Automotive industry approved material

Please read disclaimer on page 4

Black Nylon BN

Glass-Filled Black Nylon GFBN

Couplers - Reduction

RoHS Compliant

Reducers



Barb Sizes	Part Number	BN	Barb Sizes	Part Number	GFBN
3/32" • 1/16"	C1.5-1*	**	3/32" • 1/16"	C1.5-1	n/a
1/8" • 1/16"	C2-1*	**	1/8" • 1/16"	C2-1	n/a
1/8" • 3/32"	C2-1.5	BN	1/8" • 3/32"	C2-1.5	n/a
5/32" • 1/16"	C2.5-1*	**	5/32" • 1/16"	C2.5-1	n/a
5/32" • 3/32"	C2.5-1.5	BN	5/32" • 3/32"	C2.5-1.5	n/a
5/32" • 1/8"	C2.5-2	BN	5/32" • 1/8"	C2.5-2	GFBN
3/16" • 1/16"	C3-1*	**	3/16" • 1/16"	C3-1	n/a
3/16" • 3/32"	C3-1.5	BN	3/16" • 3/32"	C3-1.5	n/a
3/16" • 1/8"	C3-2	BN	3/16" • 1/8"	C3-2	GFBN
3/16" • 5/32"	C3-2.5	BN	3/16" • 5/32"	C3-2.5	n/a
1/4" • 1/16"	C4-1*	**	1/4" • 1/16"	C4-1	n/a
1/4" • 3/32"	C4-1.5	BN	1/4" • 3/32"	C4-1.5	n/a
1/4" • 1/8"	C4-2	BN	1/4" • 1/8"	C4-2	GFBN
1/4" • 5/32"	C4-2.5	BN	1/4" • 5/32"	C4-2.5	GFBN
1/4" • 3/16"	C4-3	BN	1/4" • 3/16"	C4-3	GFBN
5/16" • 5/32"	C5-2.5	BN	5/16" • 5/32"	C5-2.5	GFBN
5/16" • 1/4"	C5-4	BN	5/16" • 1/4"	C5-4	GFBN
3/8" • 1/8"	C6-2	BN	3/8" • 1/8"	C6-2	GFBN
3/8" • 5/32"	C6-2.5	BN	3/8" • 5/32"	C6-2.5	GFBN
3/8" • 1/4"	C6-4	BN	3/8" • 1/4"	C6-4	GFBN
3/8" • 5/16"	C6-5	BN	3/8" • 5/16"	C6-5	GFBN
1/2" • 1/4"	C8-4	BN	1/2" • 1/4"	C8-4	GFBN
1/2" • 5/16"	C8-5	BN	1/2" • 5/16"	C8-5	GFBN
1/2" • 3/8"	C8-6	BN	1/2" • 3/8"	C8-6	GFBN
5/8" • 1/4"	C10-4	BN	5/8" • 1/4"	C10-4	GFBN
5/8" • 5/16"	C10-5	BN	5/8" • 5/16"	C10-5	GFBN
5/8" • 3/8"	C10-6	BN	5/8" • 3/8"	C10-6	GFBN
5/8" • 1/2"	C10-8	BN	5/8" • 1/2"	C10-8	GFBN
3/4" • 3/8"	C12-6	BN	3/4" • 3/8"	C12-6	GFBN
3/4" • 1/2"	C12-8	BN	3/4" • 1/2"	C12-8	GFBN
3/4" • 5/8"	C12-10	BN	3/4" • 5/8"	C12-10	GFBN
1" • 1/2"	C16-8	BN	1" • 1/2"	C16-8	GFBN
1" • 5/8"	C16-10	BN	1" • 5/8"	C16-10	GFBN
1" • 3/4"	C16-12	BN	1" • 3/4"	C16-12	GFBN

**1/16" barb size Black Nylon Couplers are listed in the Industrial Fittings Section

Automotive

Eldon James

Ph. 970.667.2728 • eldonjames.com • fax 970.667.3204

Cross Fittings - X's

RoHS Compliant

Crosses



Barb Size	Part Number	BN	Barb Size	Part Number	GFBN
1/16"	X0-1*	**	1/16"	X0-1	n/a
3/32"	X0-1.5	BN	3/32"	X0-1.5	n/a
1/8"	X0-2	BN	1/8"	X0-2	n/a
5/32"	X0-2.5	BN	5/32"	X0-2.5	n/a
3/16"	X0-3	BN	3/16"	X0-3	n/a
1/4"	X0-4	BN	1/4"	X0-4	GFBN

**1/16" barb size Black Nylon Crosses are listed in the Industrial Fittings Section

Elbows

RoHS Compliant



Elbows



Barb Size	Part Number	BN	Barb Size	Part Number	GFBN
1/16"	L0-1*	**	1/16"	L0-1	n/a
3/32"	L0-1.5	BN	3/32"	L0-1.5	n/a
1/8"	L0-2	BN	1/8"	L0-2	n/a
5/32"	L0-2.5	BN	5/32"	L0-2.5	GFBN
3/16"	L0-3	BN	3/16"	L0-3	GFBN
1/4"	L0-4	BN	1/4"	L0-4	GFBN
5/16"	L0-5	BN	5/16"	L0-5	GFBN
3/8"	L0-6	BN	3/8"	L0-6	GFBN
1/2"	L0-8	BN	1/2"	L0-8	GFBN
5/8"	L0-10	BN	5/8"	L0-10	GFBN
3/4"	L0-12	BN	3/4"	L0-12	GFBN
1"	L0-16	BN	1"	L0-16	GFBN

**1/16" barb size Black Nylon Elbows are listed in the Industrial Fittings Section

Elbows - Miniature Reduction

RoHS Compliant

Reduction Elbows



Barb Sizes	Part Number	BN	Barb Sizes	Part Number	BN
1/8" • 3/32"	RL2-1.5	BN	3/16" • 5/32"	RL3-2.5	BN
5/32" • 3/32"	RL2.5-1.5	BN	1/4" • 3/32"	RL4-1.5	BN
5/32" • 1/8"	RL2.5-2	BN	1/4" • 1/8"	RL4-2	BN
3/16" • 3/32"	RL3-1.5	BN	1/4" • 5/32"	RL4-2.5	BN
3/16" • 1/8"	RL3-2	BN	1/4" • 3/16"	RL4-3	BN

*1/16" barb size Black Nylon Reduction Elbows are listed in the Industrial Fittings Section

Black Nylon BN

Glass-Filled Black Nylon GFBN

Reduction Elbows

Elbows - Reduction

RoHS Compliant



Barb Sizes	Part Number	BN
5/16" • 1/4"	RL5-4	BN
3/8" • 1/4"	RL6-4	BN
1/2" • 1/4"	RL8-4	BN
1/2" • 3/8"	RL8-6	BN

Barb Sizes	Part Number	GFBN
5/16" • 1/4"	RL5-4	GFBN
3/8" • 1/4"	RL6-4	GFBN
1/2" • 1/4"	RL8-4	GFBN
1/2" • 3/8"	RL8-6	GFBN

Elbows-Threaded

Elbows - Miniature Threaded

RoHS Compliant

10-32 UNF • 10-32 Taper • 1/4-28 UNF • 1/16" NPT

Automotive Materials

Excellent Tensile Strength
Automotive Approvals

Thread - Barb	Part Number	BN
10-32 UNF • 3/32"	L1032-1.5	BN
10-32 UNF • 1/8"	L1032-2	BN
10-32 Taper • 3/32"	L1032T-1.5	BN
10-32 Taper • 1/8"	L1032T-2	BN
1/4-28 UNF • 3/32"	L1428-1.5	BN
1/4-28 UNF • 1/8"	L1428-2	BN
1/4-28 UNF • 5/32"	L1428-2.5	BN
1/4-28 UNF • 3/16"	L1428-3	BN
1/16" NPT • 3/32"	L1-1.5	BN
1/16" NPT • 1/8"	L1-2	BN
1/16" NPT • 5/32"	L1-2.5	BN
1/16" NPT • 3/16"	L1-3	BN
1/16" NPT • 1/4"	L1-4	BN



Quality System



Metric Threads

Thread - Barb	Part Number	BN
5 mm • 3/32"	L5M-1.5	BN
5 mm • 1/8"	L5M-2	BN
5 mm • 5/32"	L5M-2.5	BN
6 mm • 3/32"	L6M-1.5	BN
6 mm • 1/8"	L6M-2	BN
6 mm • 5/32"	L6M-2.5	BN
6 mm • 3/16"	L6M-3	BN

*1/16" barb size Black Nylon Threaded Elbows are listed in the Industrial Fittings Section

Elbows - Threaded

1/8" to 1" NPT
RoHS Compliant

Elbows-Threaded



Thread - Barb	Part Number	BN
1/8" NPT • 1/16"	L2-1*	**
1/8" NPT • 3/32"	L2-1.5	BN
1/8" NPT • 1/8"	L2-2	BN
1/8" NPT • 5/32"	L2-2.5	BN
1/8" NPT • 3/16"	L2-3	BN
1/8" NPT • 1/4"	L2-4	BN
1/8" NPT • 5/16"	L2-5	BN
1/8" NPT • 3/8"	L2-6	BN

Thread - Barb	Part Number	GFBN
1/8" NPT • 1/16"	L2-1	n/a
1/8" NPT • 3/32"	L2-1.5	n/a
1/8" NPT • 1/8"	L2-2	GFBN
1/8" NPT • 5/32"	L2-2.5	GFBN
1/8" NPT • 3/16"	L2-3	GFBN
1/8" NPT • 1/4"	L2-4	GFBN
1/8" NPT • 5/16"	L2-5	GFBN
1/8" NPT • 3/8"	L2-6	GFBN

**1/16" barb size Black Nylon Threaded Elbows are listed in the Industrial Fittings Section

Black Nylon BN

Glass-Filled Black Nylon GFBN

Elbows - Threaded

1/8" to 1" NPT (continued)

RoHS Compliant

Elbows-Threaded

Thread - Barb	Part Number	BN
1/4" NPT • 1/8"	L4-2	BN
1/4" NPT • 5/32"	L4-2.5	BN
1/4" NPT • 3/16"	L4-3	BN
1/4" NPT • 1/4"	L4-4	BN
1/4" NPT • 5/16"	L4-5	BN
1/4" NPT • 3/8"	L4-6	BN
1/4" NPT • 1/2"	L4-8	BN
3/8" NPT • 1/4"	L6-4	BN
3/8" NPT • 5/16"	L6-5	BN
3/8" NPT • 3/8"	L6-6	BN
3/8" NPT • 1/2"	L6-8	BN
1/2" NPT • 1/4"	L8-4	BN
1/2" NPT • 3/8"	L8-6	BN
1/2" NPT • 1/2"	L8-8	BN
1/2" NPT • 5/8"	L8-10	BN
1/2" NPT • 3/4"	L8-12	BN
3/4" NPT • 1/4"	L12-4	BN
3/4" NPT • 3/8"	L12-6	BN
3/4" NPT • 1/2"	L12-8	BN
3/4" NPT • 5/8"	L12-10	BN
3/4" NPT • 3/4"	L12-12	BN
3/4" NPT • 1"	L12-16	BN
1" NPT • 3/4"	L16-12	BN
1" NPT • 1"	L16-16	BN

Thread - Barb	Part Number	GFBN
1/4" NPT • 1/8"	L4-2	GFBN
1/4" NPT • 5/32"	L4-2.5	GFBN
1/4" NPT • 3/16"	L4-3	GFBN
1/4" NPT • 1/4"	L4-4	GFBN
1/4" NPT • 5/16"	L4-5	GFBN
1/4" NPT • 3/8"	L4-6	GFBN
1/4" NPT • 1/2"	L4-8	GFBN
3/8" NPT • 1/4"	L6-4	GFBN
3/8" NPT • 5/16"	L6-5	GFBN
3/8" NPT • 3/8"	L6-6	GFBN
3/8" NPT • 1/2"	L6-8	GFBN
1/2" NPT • 1/4"	L8-4	GFBN
1/2" NPT • 3/8"	L8-6	GFBN
1/2" NPT • 1/2"	L8-8	GFBN
1/2" NPT • 5/8"	L8-10	GFBN
1/2" NPT • 3/4"	L8-12	GFBN
3/4" NPT • 1/4"	L12-4	GFBN
3/4" NPT • 3/8"	L12-6	GFBN
3/4" NPT • 1/2"	L12-8	GFBN
3/4" NPT • 5/8"	L12-10	GFBN
3/4" NPT • 3/4"	L12-12	GFBN
3/4" NPT • 1"	L12-16	GFBN
1" NPT • 3/4"	L16-12	GFBN
1" NPT • 1"	L16-16	GFBN

Automotive

Marine Fittings - see page 89**Garden Hose Adapter**

RoHS Compliant

Garden Hose Thread

Thread • Barb	Part Number	BN
3/4" GH • 1/4"	A12GH-4	BN
3/4" GH • 3/8"	A12GH-6	BN
3/4" GH • 1/2"	A12GH-8	BN

Size	Part Number	BN
3/4" GH • 5/8"	A12GH-10	BN
3/4" GH • 3/4"	A12GH-12	BN
3/4" GH • 1"	A12GH-16	BN

Black Nylon BN

Glass-Filled Black Nylon GFBN

Nipples - UNF & NPT

RoHS Compliant

Pipe Nipples



Thread Size	Part Number	BN
10-32 UNF	N1032	BN
1032 Taper	N1032T	BN
1/8" NPT	N2	BN
1/4" NPT	N4	BN
3/8" NPT	N6	BN
1/2" NPT	N8	BN
3/4" NPT	N12	BN
1" NPT	N16	BN

Thread Size	Part Number	GFBN
10-32 UNF	N1032	n/a
1032 Taper	N1032T	n/a
1/8" NPT	N2	GFBN
1/4" NPT	N4	GFBN
3/8" NPT	N6	GFBN
1/2" NPT	N8	GFBN
3/4" NPT	N12	GFBN
1" NPT	N16	GFBN

Nipples

Reduction & Conversion
RoHS Compliant

Conversion Nipples



Thread • Thread	Part Number	BN
1/16" NPT • 1/4-28 UNF	RN1-1428	BN
1/8" NPT • 1/16" NPT	RN2-1	BN
1/4" NPT • 1/8" NPT	RN4-2	BN
3/8" NPT • 1/8" NPT	RN6-2	BN
3/8" NPT • 1/4" NPT	RN6-4	BN
1/2" NPT • 1/8" NPT	RN8-2	BN
1/2" NPT • 1/4" NPT	RN8-4	BN
1/2" NPT • 3/8" NPT	RN8-6	BN
1" NPT • 3/4" NPT	RN16-12	BN

Thread • Thread	Part Number	GFBN
1/16" NPT • 1/4-28 UNF	RN1-1428	n/a
1/8" NPT • 1/16" NPT	RN2-1	n/a
1/4" NPT • 1/8"	RN4-2	GFBN
3/8" NPT • 1/8" NPT	RN6-2	GFBN
3/8" NPT • 1/4" NPT	RN6-4	GFBN
1/2" NPT • 1/8" NPT	RN8-2	GFBN
1/2" NPT • 1/4" NPT	RN8-4	GFBN
1/2" NPT • 3/8"	RN8-6	GFBN
1" NPT • 3/4" NPT	RN16-12	GFBN

Automotive

Female Junctions

Female Junctions

10-32F UNF
RoHS Compliant



Female Thread - Style	Part Number	BN
10-32F UNF • Straight	1032F-C	BN
10-32F UNF • Elbow	1032F-E	BN
10-32F UNF • Tee	1032F-T	BN
10-32F UNF • Cross	1032F-X	BN

Panel Mount Plug

Plug - Straight Thread

RoHS Compliant



Thread - Style	Part Number	BN
1/4" NPSM • Straight	PMP4S	BN

Black Nylon BN

Glass-Filled Black Nylon GFBN

Plugs - Insert

RoHS Compliant

Insert Plugs



Barb Size	Part Number	BN
1/16"	P0-1*	**
3/32"	P0-1.5	BN
1/8"	P0-2	BN
5/32"	P0-2.5	BN

Barb Size	Part Number	BN
3/16"	P0-3	BN
1/4"	P0-4	BN
3/8"	P0-6	BN
1/2"	P0-8	BN

*1/16" barb size Black Nylon Insert Plugs are listed in the Industrial Fittings Section

Plugs - Threaded

NPT & UNF
RoHS Compliant

Threaded Plugs



Thread Size	Part Number	BN
5 mm (metric)	P5M	BN
6 mm (metric)	P6M	BN
10-32 UNF	P1032	BN
10-32 Taper	P1032T	BN
1/4-28 UNF	P1428	BN
1/16" NPT	P1	BN
1/8" NPT	P2	BN
1/4" NPT	P4	BN
3/8" NPT	P6	BN
1/2" NPT	P8	BN
3/4" NPT	P12	BN
1" NPT	P16	BN

Thread Size	Part Number	GFBN
5 mm (metric)	P5M	n/a
6 mm (metric)	P6M	n/a
10-32 UNF	P1032	n/a
10-32 Taper	P1032T	n/a
1/4-28 UNF	P1428	n/a
1/16" NPT	P1	n/a
1/8" NPT	P2	GFBN
1/4" NPT	P4	GFBN
3/8" NPT	P6	GFBN
1/2" NPT	P8	GFBN
3/4" NPT	P12	GFBN
1" NPT	P16	GFBN

Automotive

Tees - Equal Barbed

RoHS Compliant

Tees



**1/16" barb size Black Nylon Tees are listed in the Industrial Fittings Section

Barb Size	Part Number	BN
1/16"	T0-1*	**
3/32"	T0-1.5	BN
1/8"	T0-2	BN
5/32"	T0-2.5	BN
3/16"	T0-3	BN
1/4"	T0-4	BN
5/16"	T0-5	BN
3/8"	T0-6	BN
1/2"	T0-8	BN
5/8"	T0-10	BN
3/4"	T0-12	BN
1"	T0-16	BN

Barb Size	Part Number	GFBN
1/16"	T0-1	n/a
3/32"	T0-1.5	n/a
1/8"	T0-2	n/a
5/32"	T0-2.5	GFBN
3/16"	T0-3	GFBN
1/4"	T0-4	GFBN
5/16"	T0-5	GFBN
3/8"	T0-6	GFBN
1/2"	T0-8	GFBN
5/8"	T0-10	GFBN
3/4"	T0-12	GFBN
1"	T0-16	GFBN

Tees - Asymmetric

RoHS Compliant

Asymmetric Tees



Barbs (A) - Barb (B)	Part Number	BN	Barbs (A) - Barb (B)	Part Number	BN
1/8" • 3/32"	LRT2-1.5	BN	3/16" • 5/32"	LRT3-2.5	BN
5/32" • 3/32"	LRT2.5-1.5	BN	1/4" • 3/32"	LRT4-1.5	BN
5/32" • 1/8"	LRT2.5-2	BN	1/4" • 1/8"	LRT4-2	BN
3/16" • 3/32"	LRT3-1.5	BN	1/4" • 5/32"	LRT4-2.5	BN
3/16" • 1/8"	LRT3-2	BN	1/4" • 3/16"	LRT4-3	BN

*1/16" barb size Black Nylon Asymmetric Tees are listed in the Industrial Fittings Section

Tees - Miniature Reduction

RoHS Compliant

Tee Reductions



(2) Run - (1) Leg	Part Number	BN	(2) Run - (1) Leg	Part Number	BN
3/32" • 1/8"	RT1.5-2	BN	5/32" • 1/4"	RT2.5-4	BN
3/32" • 5/32"	RT1.5-2.5	BN	5/32" • 3/8"	RT2.5-6	BN
3/32" • 3/16"	RT1.5-3	BN	3/16" • 3/32"	RT3-1.5	BN
1/8" • 3/32"	RT2-1.5	BN	3/16" • 1/8"	RT3-2	BN
1/8" • 5/32"	RT2-2.5	BN	3/16" • 5/32"	RT3-2.5	BN
1/8" • 3/16"	RT2-3	BN	3/16" • 1/4"	RT3-4	BN
1/8" • 1/4"	RT2-4	BN	1/4" • 3/32"	RT4-1.5	BN
5/32" • 3/32"	RT2.5-1.5	BN	1/4" • 1/8"	RT4-2	BN
5/32" • 1/8"	RT2.5-2	BN	1/4" • 5/32"	RT4-2.5	BN
5/32" • 3/16"	RT2.5-3	BN	1/4" • 3/16"	RT4-3	BN

*1/16" barb size BN Miniature Reduction Tees are listed in the Industrial Fittings Section

Tees - Reduction

Standard
RoHS Compliant



(2) Run - (1) Leg	Part Number	BN	(2) Run - (1) Leg	Part Number	GFBN
1/4" • 3/8"	RT4-6	BN	1/4" • 3/8"	RT4-6	GFBN
1/4" • 5/8"	RT4-10	BN	1/4" • 5/8"	RT4-10	GFBN
3/8" • 5/32"	RT6-2.5	BN	3/8" • 5/32"	RT6-2.5	GFBN
3/8" • 1/4"	RT6-4	BN	3/8" • 1/4"	RT6-4	GFBN
1/2" • 1/4"	RT8-4	BN	1/2" • 1/4"	RT8-4	GFBN
1/2" • 5/16"	RT8-5	BN	1/2" • 5/16"	RT8-5	GFBN
1/2" • 3/8"	RT8-6	BN	1/2" • 3/8"	RT8-6	GFBN
5/8" • 5/16"	RT10-5	BN	5/8" • 5/16"	RT10-5	GFBN
5/8" • 3/8"	RT10-6	BN	5/8" • 3/8"	RT10-6	GFBN
3/4" • 3/8"	RT12-6	BN	3/4" • 3/8"	RT12-6	GFBN
3/4" • 1/2"	RT12-8	BN	3/4" • 1/2"	RT12-8	GFBN
3/4" • 5/8"	RT12-10	BN	3/4" • 5/8"	RT12-10	GFBN
1" • 5/8"	RT16-10	BN	1" • 5/8"	RT16-10	GFBN

Tees - Threaded

Tees - Threaded Miniature
RoHS Compliant

10-32 UNF • 10-32 Taper • 1/4-28 UNF • 1/16" NPT



Thread - Barbs	Part Number	BN	Thread - Barbs	Part Number	BN
10-32 UNF • 3/32"	T1032-1.5	BN	1/4-28 UNF • 1/8"	T1428-2	BN
10-32 UNF • 1/8"	T1032-2	BN	1/4-28 UNF • 5/32"	T1428-2.5	BN
10-32 UNF • 5/32"	T1032-2.5	BN	1/4-28 UNF • 3/16"	T1428-3	BN
10-32 Taper • 3/32"	T1032T-1.5	BN	1/16" NPT • 3/32"	T1-1.5	BN
10-32 Taper • 1/8"	T1032T-2	BN	1/16" NPT • 1/8"	T1-2	BN
10-32 Taper • 5/32"	T1032T-2.5	BN	1/16" NPT • 5/32"	T1-2.5	BN
1/4-28 UNF • 3/32"	T1428-1.5	BN	1/16" NPT • 3/16"	T1-3	BN

*1/16" barb size Black Nylon Miniature Threaded Tees are listed in the Industrial Fittings Section

5 mm • 6 mm Metric Threads

Thread - Barbs	Part Number	BN	Thread - Barbs	Part Number	BN
5 mm • 3/32"	T5M-1.5	BN	6 mm • 3/32"	T6M-1.5	BN
5 mm • 1/8"	T5M-2	BN	6 mm • 1/8"	T6M-2	BN
5 mm • 5/32"	T5M-2.5	BN	6 mm • 5/32"	T6M-2.5	BN
			6 mm • 3/16"	T6M-3	BN



Tees - Threaded
1/8" to 1" NPT
RoHS Compliant



ISO 9001
Quality System

**1/16" barb size Black Nylon Threaded Tees are listed in the Industrial Fittings Section

Thread - Barbs	Part Number	BN	Thread - Barbs	Part Number	GFBN
1/8" NPT • 1/16"	T2-1*	**	1/8" NPT • 1/16"	T2-1	n/a
1/8" NPT • 3/32"	T2-1.5	BN	1/8" NPT • 3/32"	T2-1.5	n/a
1/8" NPT • 1/8"	T2-2	BN	1/8" NPT • 1/8"	T2-2	GFBN
1/8" NPT • 5/32"	T2-2.5	BN	1/8" NPT • 5/32"	T2-2.5	GFBN
1/8" NPT • 3/16"	T2-3	BN	1/8" NPT • 3/16"	T2-3	GFBN
1/8" NPT • 1/4"	T2-4	BN	1/8" NPT • 1/4"	T2-4	GFBN
1/8" NPT • 5/16"	T2-5	BN	1/8" NPT • 5/16"	T2-5	GFBN
1/8" NPT • 3/8"	T2-6	BN	1/8" NPT • 3/8"	T2-6	GFBN
1/4" NPT • 1/8"	T4-2	BN	1/4" NPT • 1/8"	T4-2	GFBN
1/4" NPT • 5/32"	T4-2.5	BN	1/4" NPT • 5/32"	T4-2.5	GFBN
1/4" NPT • 3/16"	T4-3	BN	1/4" NPT • 3/16"	T4-3	GFBN
1/4" NPT • 1/4"	T4-4	BN	1/4" NPT • 1/4"	T4-4	GFBN
1/4" NPT • 5/16"	T4-5	BN	1/4" NPT • 5/16"	T4-5	GFBN
1/4" NPT • 3/8"	T4-6	BN	1/4" NPT • 3/8"	T4-6	GFBN
1/4" NPT • 1/2"	T4-8	BN	1/4" NPT • 1/2"	T4-8	GFBN
3/8" NPT • 1/4"	T6-4	BN	3/8" NPT • 1/4"	T6-4	GFBN
3/8" NPT • 5/16"	T6-5	BN	3/8" NPT • 5/16"	T6-5	GFBN
3/8" NPT • 3/8"	T6-6	BN	3/8" NPT • 3/8"	T6-6	GFBN
3/8" NPT • 1/2"	T6-8	BN	3/8" NPT • 1/2"	T6-8	GFBN

Tees - Threaded
1/8" to 1" NPT
RoHS Compliant

Tees-Threaded



Thread - Barbs	Part Number	BN
1/2" NPT • 1/4"	T8-4	BN
1/2" NPT • 3/8"	T8-6	BN
1/2" NPT • 1/2"	T8-8	BN
1/2" NPT • 5/8"	T8-10	BN
1/2" NPT • 3/4"	T8-12	BN
3/4" NPT • 1/4"	T12-4	BN
3/4" NPT • 3/8"	T12-6	BN
3/4" NPT • 1/2"	T12-8	BN
3/4" NPT • 5/8"	T12-10	BN
3/4" NPT • 3/4"	T12-12	BN
3/4" NPT • 1"	T12-16	BN
1" NPT • 3/4"	T16-12	BN
1" NPT • 1"	T16-16	BN

Thread - Barbs	Part Number	GFBN
1/2" NPT • 1/4"	T8-4	GFBN
1/2" NPT • 3/8"	T8-6	GFBN
1/2" NPT • 1/2"	T8-8	GFBN
1/2" NPT • 5/8"	T8-10	GFBN
1/2" NPT • 3/4"	T8-12	GFBN
3/4" NPT • 1/4"	T12-4	GFBN
3/4" NPT • 3/8"	T12-6	GFBN
3/4" NPT • 1/2"	T12-8	GFBN
3/4" NPT • 5/8"	T12-10	GFBN
3/4" NPT • 3/4"	T12-12	GFBN
3/4" NPT • 1"	T12-16	GFBN
1" NPT • 3/4"	T16-12	GFBN
1" NPT • 1"	T16-16	GFBN

Y-Connectors
RoHS Compliant



Y Connectors



Size	Part Number	BN
1/16"	Y0-1*	**
3/32"	Y0-1.5	BN
1/8"	Y0-2	BN
3/16"	Y0-3	BN
1/4"	Y0-4	BN
3/8"	Y0-6	BN
1/2"	Y0-8	BN
5/8"	Y0-10	BN

Size	Part Number	GFBN
1/16"	Y0-1	n/a
3/32"	Y0-1.5	n/a
1/8"	Y0-2	GFBN
3/16"	Y0-3	GFBN
1/4"	Y0-4	GFBN
3/8"	Y0-6	GFBN
1/2"	Y0-8	GFBN
5/8"	Y0-10	GFBN

**1/16" barb size Black Nylon Ys are listed in the Industrial Fittings Section

Y sizes for up to 1" hose ID - see page 37

Automotive

Y-Reduction
RoHS Compliant

Y Reductions



(2) Barbs • (1) Barb	Part Number	BN
1/4" • 3/8"	RY4-6	BN

(2) Barbs • (1) Barb	Part Number	GFBN
1/4" • 3/8"	RY4-6	GFBN

*Additional Y Reduction sizes are available in the Natural Materials section - page 38

Adapters - BSPT

RoHS Compliant

Adapters

British Threaded - BSPT Fittings

Thread - Barb	Part Number	<i>BN</i>
1/8" BSPT • 1/8"	A2B-2	BN
1/8" BSPT • 5/32"	A2B-2.5	BN
1/8" NPT • 1/4"	A2B-4	BN
1/8" BSPT • 5/16"	A2B-5	BN
1/8" BSPT • 3/8"	A2B-6	BN
1/4" BSPT • 1/8"	A4B-2	BN
1/4" BSPT • 5/32"	A4B-2.5	BN
1/4" BSPT • 3/16"	A4B-3	BN
1/4" BSPT • 1/4"	A4B-4	BN
1/4" BSPT • 5/16"	A4B-5	BN
1/4" BSPT • 3/8"	A4B-6	BN
1/4" BSPT • 1/2"	A4B-8	BN
3/8" BSPT • 1/4"	A6B-4	BN
3/8" BSPT • 5/16"	A6B-5	BN
3/8" BSPT • 3/8"	A6B-6	BN
3/8" BSPT • 1/2"	A6B-8	BN

Thread - Barb	Part Number	<i>GFBN</i>
1/8" BSPT • 1/8"	A2B-2	GFBN
1/8" BSPT • 5/32"	A2B-2.5	GFBN
1/8" BSPT • 1/4"	A2B-4	GFBN
1/8" BSPT • 5/16"	A2B-5	GFBN
1/8" BSPT • 3/8"	A2B-6	GFBN
1/4" BSPT • 1/8"	A4B-2	GFBN
1/4" BSPT • 5/32"	A4B-2.5	GFBN
1/4" BSPT • 3/16"	A4B-3	GFBN
1/4" BSPT • 1/4"	A4B-4	GFBN
1/4" BSPT • 5/16"	A4B-5	GFBN
1/4" BSPT • 3/8"	A4B-6	GFBN
1/4" BSPT • 1/2"	A4B-8	GFBN
3/8" BSPT • 1/4"	A6B-4	GFBN
3/8" BSPT • 5/16"	A6B-5	GFBN
3/8" BSPT • 3/8"	A6B-6	GFBN
3/8" BSPT • 1/2"	A6B-8	GFBN



Automotive

Elbows - BSPT

RoHS Compliant

Elbows

British Threaded - BSPT Fittings

Thread - Barb	Part Number	<i>BN</i>
1/8" BSPT • 1/8"	L2B-2	BN
1/8" BSPT • 5/32"	L2B-2.5	BN
1/8" BSPT • 1/4"	L2B-4	BN
1/8" BSPT • 5/16"	L2B-5	BN
1/8" BSPT • 3/8"	L2B-6	BN
1/4" BSPT • 1/8"	L4B-2	BN
1/4" BSPT • 5/32"	L4B-2.5	BN
1/4" BSPT • 3/16"	L4B-3	BN
1/4" BSPT • 1/4"	L4B-4	BN
1/4" BSPT • 5/16"	L4B-5	BN
1/4" BSPT • 3/8"	L4B-6	BN
1/4" BSPT • 1/2"	L4B-8	BN
3/8" BSPT • 1/4"	L6B-4	BN
3/8" BSPT • 5/16"	L6B-5	BN
3/8" BSPT • 3/8"	L6B-6	BN
3/8" BSPT • 1/2"	L6B-8	BN

Thread - Barb	Part Number	<i>GFBN</i>
1/8" BSPT • 1/8"	L2B-2	GFBN
1/8" BSPT • 5/32"	L2B-2.5	GFBN
1/8" BSPT • 1/4"	L2B-4	GFBN
1/8" BSPT • 5/16"	L2B-5	GFBN
1/8" BSPT • 3/8"	L2B-6	GFBN
1/4" BSPT • 1/8"	L4B-2	GFBN
1/4" BSPT • 5/32"	L4B-2.5	GFBN
1/4" BSPT • 3/16"	L4B-3	GFBN
1/4" BSPT • 1/4"	L4B-4	GFBN
1/4" BSPT • 5/16"	L4B-5	GFBN
1/4" BSPT • 3/8"	L4B-6	GFBN
1/4" BSPT • 1/2"	L4B-8	GFBN
3/8" BSPT • 1/4"	L6B-4	GFBN
3/8" BSPT • 5/16"	L6B-5	GFBN
3/8" BSPT • 3/8"	L6B-6	GFBN
3/8" BSPT • 1/2"	L6B-8	GFBN

Tees

Tees - Threaded
BSPT RoHS Compliant

 **British Threaded - BSPT Fittings**



Thread - Barbs	Part Number	BN
1/8" BSPT • 5/32"	T2B-2.5	BN
1/8" BSPT • 1/4"	T2B-4	BN
1/8" BSPT • 3/8"	T2B-6	BN
1/4" BSPT • 5/32"	T4B-2.5	BN
1/4" BSPT • 3/16"	T4B-3	BN
1/4" BSPT • 1/4"	T4B-4	BN
1/4" BSPT • 5/16"	T4B-5	BN
1/4" BSPT • 3/8"	T4B-6	BN
1/4" BSPT • 1/2"	T4B-8	BN
3/8" BSPT • 1/4"	T6B-4	BN
3/8" BSPT • 5/16"	T6B-5	BN
3/8" BSPT • 3/8"	T6B-6	BN
3/8" BSPT • 1/2"	T6B-8	BN

Thread - Barbs	Part Number	GFBN
1/8" BSPT • 5/32"	T2B-2.5	GFBN
1/8" BSPT • 1/4"	T2B-4	GFBN
1/8" BSPT • 3/8"	T2B-6	GFBN
1/4" BSPT • 5/32"	T4B-2.5	GFBN
1/4" BSPT • 3/16"	T4B-3	GFBN
1/4" BSPT • 1/4"	T4B-4	GFBN
1/4" BSPT • 5/16"	T4B-5	GFBN
1/4" BSPT • 3/8"	T4B-6	GFBN
1/4" BSPT • 1/2"	T4B-8	GFBN
3/8" BSPT • 1/4"	T6B-4	GFBN
3/8" BSPT • 5/16"	T6B-5	GFBN
3/8" BSPT • 3/8"	T6B-6	GFBN
3/8" BSPT • 1/2"	T6B-8	GFBN

Plugs

Plugs
BSPT RoHS Compliant

 **British Threaded - BSPT Fittings**



Thread Size	Part Number	BN
1/8" BSPT	P2B	BN
1/4" BSPT	P4B	BN
3/8" BSPT	P6B	BN

Thread Size	Part Number	GFBN
1/8" BSPT	P2B	GFBN
1/4" BSPT	P4B	GFBN
3/8" BSPT	P6B	GFBN

Size	Threads / Inch	Approximate Thread Pitch	Length of Useful Threads
1/8" BSPT	28	.0357 Inches	.250 Inches
1/4" BSPT	19	.0526 Inches	.380 Inches
3/8" BSPT	19	.0526 Inches	.390 Inches

BSPT - British Standard Pipe Thread Tapered

BSPT threads are based on the Whitworth thread form, which is designed to provide a pressure-tight fit through mating of the threads. This is accomplished by cutting the threads on a taper. Because they are tapered, the thread can only screw into the companion female thread a certain distance before it jams. The standard specifies this distance as a length based on hand-tight engagement; however, a convenient rule-of-thumb for plastic threads is: finger-tight plus 1/2 to 1 turn with a wrench. Do not over-tighten plastic threads - stress on the fitting can result in its failure.

Automotive Industry Approved Materials: **BN** Excellent Tensile Strength • **GFBN** High Impact Resistance

Black Nylon BN

Glass-Filled Black Nylon GFBN


Automotive



Marine Fittings

Marine fittings are made from the same grade of impact resistant Glass-Filled Black Nylon as our automotive fittings on the preceding pages; however, special thread molds are used to compensate for nylon threads' tendency to swell in wet conditions. For marine applications requiring non-threaded, barbed fittings, standard automotive fittings may be used.

Adapters 3/4" NPT

RoHS Compliant

Marine Adapters



Thread - Barb	Part Number	GFBN
3/4" NPT • 1/4"	A12-4 GFBN-ALU	GFBN
3/4" NPT • 3/8"	A12-6 GFBN-ALU	GFBN
3/4" NPT • 1/2"	A12-8 GFBN-ALU	GFBN
3/4" NPT • 5/8"	A12-10 GFBN-ALU	GFBN
3/4" NPT • 3/4"	A12-12 GFBN-ALU	GFBN
3/4" NPT • 1"	A12-16 GFBN-ALU	GFBN

Elbows 1/4" NPT

RoHS Compliant

Marine Elbows



Thread - Barb	Part Number	GFBN
1/4" NPT • 1/8"	L4-2 GFBN-ALU	GFBN
1/4" NPT • 5/32"	L4-2.5 GFBN-ALU	GFBN
1/4" NPT • 1/4"	L4-4 GFBN-ALU	GFBN
1/4" NPT • 5/16"	L4-5 GFBN-ALU	GFBN
1/4" NPT • 3/8"	L4-6 GFBN-ALU	GFBN
1/4" NPT • 1/2"	L4-8 GFBN-ALU	GFBN

Tees 1/4" NPT

RoHS Compliant

Marine Tees



Thread - Barb	Part Number	GFBN
1/4" NPT • 1/8"	T4-2 GFBN-ALU	GFBN
1/4" NPT • 5/32"	T4-2.5 GFBN-ALU	GFBN
1/4" NPT • 1/4"	T4-4 GFBN-ALU	GFBN
1/4" NPT • 5/16"	T4-5 GFBN-ALU	GFBN
1/4" NPT • 3/8"	T4-6 GFBN-ALU	GFBN
1/4" NPT • 1/2"	T4-8 GFBN-ALU	GFBN

Industrial & Utility Materials



Gray Kynar (PVDF)



Biofuels Kit

Temperature Range -80 °F to 226 °F (108 °C)
Pressure 260 psi @ 70 °F

Gray PVDF (Kynar) fittings withstand exposure to adverse conditions and exhibit excellent thermal stability to 150 °C or higher when not under pressure. They are resistant to a very wide range of chemicals, as well as, organic acids generated in the production of biofuels. Kynar is compatible with technologies that consume or produce ethanol and biodiesel. It is stronger than many other plastic materials including: nylon, polypropylene and polyethylene. PVDF fittings are sold in 100 unit multiples only.

Gray PVDF Biofuels Kits - Large and small biofuels kits contain an assortment of common configurations and barb sizes. See page 69



White Polypropylene (WP)

Temperature Range -9 °F to 150 °F (66 °C)
Pressure 125 psi @ 70 °F

White Polypropylene fittings offer a low cost alternative when compared with other materials. The bright white material has a wide range of uses where pressures and temperatures are moderate. Due to its bright white color, the fittings present a clean appearance. WP fittings are sold in 100 unit multiples only.



White Nylon (WN)

Temperature Range -50 °F to 275 °F (135 °C)
Pressure 125 psi @ 70 °F

White Nylon offers good tensile strength and good thermal stability at temperatures to 135° C. Nylon is one of the most widely used plastic materials due to its durability and relatively low cost. It is an excellent choice for handling a variety of fluids. It also has wide application in moderate pressure pneumatic applications.



Black Nylon (BN)

Temperature Range -50 °F to 275 °F (135 °C)
Pressure 150 psi @ 70 °F

Black Nylon is one of the most widely used industrial and utility materials. Most black nylon fittings are made from the same ultra-tough nylon as our automotive fittings; however, some miniature sizes are molded from the same material as Natural Nylon with a black colorant added. Nylon fittings are frequently used in automotive vacuum and fuel line applications, as well as for general fluid handling. Nylon has good chemical resistance, but please check compatibility before determining its suitability for your application. Black Nylon fittings are available in kits - see pages 67-69

Material lot traceability certificates are available for Black Nylon fittings

Industrial Materials

Adapters

Miniature
RoHS Compliant

1032 UNF • 10-32 Taper • 1/4-28 UNF • 1/16" NPT

Adapters



Thread - Barb	Part Number	PVDF	WP	WN	BN
10-32 UNF • 1/16"	A1032-1	PVDF	WP	WN	BN
10-32 UNF • 3/32"	A1032-1.5	PVDF	WP	WN	BN
10-32 UNF • 1/8"	A1032-2	PVDF	WP	WN	BN
10-32 UNF • 5/32"	A1032-2.5	PVDF	WP	WN	BN
10-32 Taper • 1/16"	A1032T-1	PVDF	WP	WN	BN
10-32 Taper • 3/32"	A1032T-1.5	PVDF	WP	WN	BN
10-32 Taper • 1/8"	A1032T-2	PVDF	WP	WN	BN
10-32 Taper • 5/32"	A1032T-2.5	PVDF	WP	WN	BN
1/4-28 UNF • 1/16"	A1428-1	PVDF	WP	WN	BN
1/4-28 UNF • 3/32"	A1428-1.5	PVDF	WP	WN	BN
1/4-28 UNF • 1/8"	A1428-2	PVDF	WP	WN	BN
1/4-28 UNF • 5/32"	A1428-2.5	PVDF	WP	WN	BN
1/4-28 UNF • 3/16"	A1428-3	PVDF	WP	WN	BN
1/16" NPT • 1/16"	A1-1	PVDF	WP	WN	BN
1/16" NPT • 3/32"	A1-1.5	PVDF	WP	WN	BN
1/16" NPT • 1/8"	A1-2	PVDF	WP	WN	BN
1/16" NPT • 5/32"	A1-2.5	PVDF	WP	WN	BN
1/16" NPT • 3/16"	A1-3	PVDF	WP	WN	BN
1/16" NPT • 1/4"	A1-4	PVDF	WP	WN	BN
5 mm • 6 mm Metric Threads					
5 mm • 1/16"	A5M-1	PVDF	WP	WN	BN
5 mm • 3/32"	A5M-1.5	PVDF	WP	WN	BN
5 mm • 1/8"	A5M-2	PVDF	WP	WN	BN
5 mm • 5/32"	A5M-2.5	PVDF	WP	WN	BN
6 mm • 1/16"	A6M-1	PVDF	WP	WN	BN
6 mm • 3/32"	A6M-1.5	PVDF	WP	WN	BN
6 mm • 1/8"	A6M-2	PVDF	WP	WN	BN
6 mm • 5/32"	A6M-2.5	PVDF	WP	WN	BN
6 mm • 3/16"	A6M-3	PVDF	WP	WN	BN

PVDF and WP sold in units of 100 or 500 pieces

Adapters - 1/8" to 1" NPT
RoHS Compliant

NPT Adapters

ISO 9001
Quality System



Thread - Barb	Part Number	PVDF	WP	WN	BN
1/8" NPT • 1/16"	A2-1	PVDF	WP	WN	BN
1/8" NPT • 3/32"	A2-1.5	PVDF	WP	WN	BN
1/8" NPT • 1/8"	A2-2	PVDF	WP	WN	BN

Gray Kynar® PVDF

White Polypropylene WP

White Nylon WN

Black Nylon BN

Adapters - 1/8" to 1" NPT

RoHS Compliant

Adapters

PVDF and WP sold in units of 100 or 500 pieces



Thread - Barb	Part Number	PVDF	WP	WN	BN
1/8" NPT • 5/32"	A2-2.5	PVDF	WP	WN	BN
1/8" NPT • 3/16"	A2-3	PVDF	WP	WN	BN
1/8" NPT • 1/4"	A2-4	PVDF	WP	WN	BN
1/8" NPT • 5/16"	A2-5	PVDF	WP	WN	BN
1/8" NPT • 3/8"	A2-6	PVDF	WP	WN	BN
1/4" NPT • 1/8"	A4-2	PVDF	WP	WN	BN
1/4" NPT • 5/32"	A4-2.5	PVDF	WP	WN	BN
1/4" NPT • 3/16"	A4-3	PVDF	WP	WN	BN
1/4" NPT • 1/4"	A4-4	PVDF	WP	WN	BN
1/4" NPT • 5/16"	A4-5	PVDF	WP	WN	BN
1/4" NPT • 3/8"	A4-6	PVDF	WP	WN	BN
1/4" NPT • 1/2"	A4-8	PVDF	WP	WN	BN
3/8" NPT • 1/4"	A6-4	PVDF	WP	WN	BN
3/8" NPT • 5/16"	A6-5	PVDF	WP	WN	BN
3/8" NPT • 3/8"	A6-6	PVDF	WP	WN	BN
3/8" NPT • 1/2"	A6-8	PVDF	WP	WN	BN
1/2" NPT • 1/4"	A8-4	PVDF	WP	WN	BN
1/2" NPT • 5/16"	A8-5	PVDF	WP	WN	BN
1/2" NPT • 3/8"	A8-6	PVDF	WP	WN	BN
1/2" NPT • 1/2"	A8-8	PVDF	WP	WN	BN
1/2" NPT • 5/8"	A8-10	PVDF	WP	WN	BN
1/2" NPT • 3/4"	A8-12	PVDF	WP	WN	BN
3/4" NPT • 1/4"	A12-4	PVDF	WP	WN	BN
3/4" NPT • 3/8"	A12-6	PVDF	WP	WN	BN
3/4" NPT • 1/2"	A12-8	PVDF	WP	WN	BN
3/4" NPT • 5/8"	A12-10	PVDF	WP	WN	BN
3/4" NPT • 3/4"	A12-12	PVDF	WP	WN	BN
3/4" NPT • 1"	A12-16	PVDF	WP	WN	BN
1" NPT • 1"	A16-16	PVDF	WP	WN	BN

Industrial & Utility

Adapters

Miniature Bulkhead
RoHS Compliant

Bulkhead Adapters



Barb - Barb 1 2	Part Number	PVDF	WP	WN	BN
10-32 UNF Thread (No Flange)					
1/16" • 1/16"	BH 1032 1-1	special order	special order	WN	BN
3/32" • 1/16"	BH 1032 1.5-1	special order	special order	WN	BN
3/32" • 3/32"	BH 1032 1.5-1.5	special order	special order	WN	BN

Adapters

Miniature Bulkhead
RoHS Compliant

Bulkhead Adapters

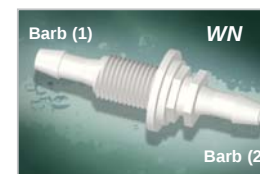
PVDF and WP sold in units of 100 or 500 pieces



Barb 1 - Barb 2	Part Number	PVDF	WP	WN	BN
1/4-28 UNF Thread (No Flange)					
1/8" • 1/16"	BH 1428 2-1	special order	special order	WN	BN
1/8" • 3/32"	BH 1428 2-1.5	special order	special order	WN	BN
1/8" • 1/8"	BH 1428 2-2	special order	special order	WN	BN

Adapters

Miniature Bulkhead
RoHS Compliant

Bulkhead Adapters

Barb 1 - Barb 2	Part Number	PVDF	WP	WN	BN
5/16-24 UNF Thread (With Flange)					
5/32" • 1/16"	BH 51624 2.5-1	special order	special order	WN	BN
5/32" • 3/32"	BH 51624 2.5-1.5	special order	special order	WN	BN
5/32" • 1/8"	BH 51624 2.5-2	special order	special order	WN	BN
5/32" • 5/32"	BH 51624 2.5-2.5	special order	special order	WN	BN
3/16" • 1/16"	BH 51624 3-1	special order	special order	WN	BN
3/16" • 3/32"	BH 51624 3-1.5	special order	special order	WN	BN
3/16" • 1/8"	BH 51624 3-2	special order	special order	WN	BN
3/16" • 5/32"	BH 51624 3-2.5	special order	special order	WN	BN
3/16" • 3/16"	BH 51624 3-3	special order	special order	WN	BN
1/8" Straight NPSM Thread (With Flange)					
3/16" • 1/16"	BH 2S 3-1	special order	special order	WN	BN
3/16" • 3/32"	BH 2S 3-1.5	special order	special order	WN	BN
3/16" • 1/8"	BH 2S 3-2	special order	special order	WN	BN
3/16" • 5/32"	BH 2S 3-2.5	special order	special order	WN	BN
3/16" • 3/16"	BH 2S 3-3	special order	special order	WN	BN
1/4" • 1/16"	BH 2S 4-1	special order	special order	WN	BN
1/4" • 3/32"	BH 2S 4-1.5	special order	special order	WN	BN
1/4" • 1/8"	BH 2S 4-2	special order	special order	WN	BN
1/4" • 5/32"	BH 2S 4-2.5	special order	special order	WN	BN
1/4" • 3/16"	BH 2S 4-3	special order	special order	WN	BN
1/4" • 1/4"	BH 2S 4-4	special order	special order	WN	BN

See Natural Materials section for additional Bulkhead materials offerings

Special Order - non-inventory items may be restricted to higher minimum quantity requirements

Gray Kynar® PVDF

White Polypropylene WP

White Nylon WN

Black Nylon BN

Ph. 970.667.2728 • eldonjames.com • fax 970.667.3204

Adapters

Miniature Bulkhead
RoHS Compliant

Bulkhead Adapters

PVDF and WP sold in units of 100 or 500 pieces

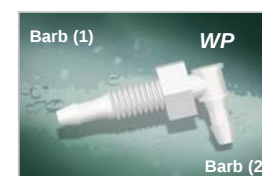


Barb - Barb 1 2	Part Number	PVDF	WP	WN	BN
1/4" Straight NPSM Thread (With Flange)					
3/16" • 1/16"	BH 4S 3-1	special order	special order	WN	BN
3/16" • 3/32"	BH 4S 3-1.5	special order	special order	WN	BN
3/16" • 1/8"	BH 4S 3-2	special order	special order	WN	BN
3/16" • 5/32"	BH 4S 3-2.5	special order	special order	WN	BN
3/16" • 3/16"	BH 4S 3-3	special order	special order	WN	BN
1/4" • 1/16"	BH 4S 4-1	special order	special order	WN	BN
1/4" • 3/32"	BH 4S 4-1.5	special order	special order	WN	BN
1/4" • 1/8"	BH 4S 4-2	special order	special order	WN	BN
1/4" • 5/32"	BH 4S 4-2.5	special order	special order	WN	BN
1/4" • 3/16"	BH 4S 4-3	special order	special order	WN	BN

Standard size Bulkhead Adapters page 95

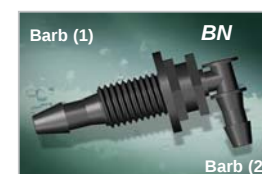
90° Bulkhead - Miniature
RoHS Compliant

90° Bulkhead



Barb - Barb 1 2	Part Number	PVDF	WP	WN	BN
10-32 UNF Thread (No Flange)					
3/32" • 1/16"	BHL 1032 1.5-1	special order	special order	WN	BN
3/32" • 3/32"	BHL 1032 1.5-1.5	special order	special order	WN	BN
1/4-28 UNF Thread (No Flange)					
1/8" • 1/16"	BHL 1428 2-1	special order	special order	WN	BN
1/8" • 3/32"	BHL 1428 2-1.5	special order	special order	WN	BN
1/8" • 1/8"	BHL 1428 2-2	special order	special order	WN	BN

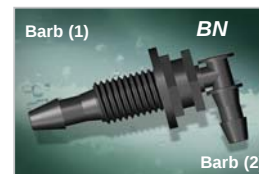
90° Bulkhead - Miniature
RoHS Compliant



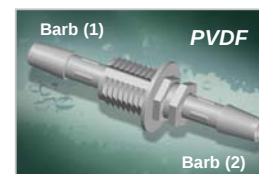
Barb - Barb 1 2	Part Number	PVDF	WP	WN	BN
5/16-24 UNF Thread (With Flange)					
5/32" • 1/16"	BHL 51624 2.5-1	special order	special order	WN	BN
5/32" • 3/32"	BHL 51624 2.5-1.5	special order	special order	WN	BN
5/32" • 1/8"	BHL 51624 2.5-2	special order	special order	WN	BN
5/32" • 5/32"	BHL 51624 2.5-2.5	special order	special order	WN	BN

Special Order - non-inventory items may restricted to higher minimum quantity requirements

continued

90° Bulkhead - Miniature
RoHS Compliant**90° Bulkhead***PVDF and WP sold in units of 100 or 500 pieces*

Barb - Barb 1 2	Part Number	PVDF	WP	WN	BN
1/8" NPSM Straight Thread (With Flange)					
1/4" • 1/16"	BHL 2S 4-1	special order	special order	WN	BN
1/4" • 3/32"	BHL 2S 4-1.5	special order	special order	WN	BN
1/4" • 1/8"	BHL 2S 4-2	special order	special order	WN	BN
1/4" • 5/32"	BHL 2S 4-2.5	special order	special order	WN	BN
1/4" • 3/16"	BHL 2S 4-3	special order	special order	WN	BN
1/4" • 1/4"	BHL 2S 4-4	special order	special order	WN	BN
1/4" NPSM Straight Thread (With Flange)					
1/4" • 1/16"	BHL 4S 4-1	special order	special order	WN	BN
1/4" • 3/32"	BHL 4S 4-1.5	special order	special order	WN	BN
1/4" • 1/8"	BHL 4S 4-2	special order	special order	WN	BN
1/4" • 5/32"	BHL 4S 4-2.5	special order	special order	WN	BN
1/4" • 3/16"	BHL 4S 4-3	special order	special order	WN	BN
1/4" • 1/4"	BHL 4S 4-4	special order	special order	WN	BN

Adapters - Bulkhead
Standard
RoHS Compliant**Bulkhead Standard**

Keyway feature prevents rotation when used in a keyed hole

Barb - Barb 1 2	Part Number	PVDF	WP	WN	BN
1/4" NPSM Straight Thread (With Flange)					
1/4" • 1/4"	BH 4S 4-4	PVDF	WP	WN	BN
5/16" • 1/4"	BH 4S 5-4	PVDF	WP	WN	BN
5/16" • 5/16"	BH 4S 5-5	PVDF	WP	WN	BN
3/8" • 1/4"	BH 4S 6-4	PVDF	WP	WN	BN
3/8" • 5/16"	BH 4S 6-5	PVDF	WP	WN	BN
3/8" • 3/8"	BH 4S 6-6	PVDF	WP	WN	BN

Bulkhead & Panel Mount - Nuts

Thread Spec.	Part Number	BN	Natural Nylon
10-32 UNF Thread	HEX1032	HEX1032 BN	HEX1032 NN
1/4-28 UNF Thread	HEX1428	HEX1428 BN	HEX1428 NN
5/16-24 UNF Thread	HEX51624	HEX51624 BN	HEX51624 NN
1/8" NPSF Straight Thread	HEX1827	HEX1827 BN	HEX1827 NN
1/4" NPSF Straight Thread	G102-150	G102-150-78	G102-150-18

Gray Kynar® PVDF

White Polypropylene WP

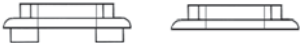
White Nylon WN

Black Nylon BN

Bulkhead - Color Code Clips

Part Number	SCR BLN	SCR YN	SCR BN	SCR OR	SCR WN	SCR GN	SCR RN	SCRPN
Standard Bulkhead Clip Rings Fit Standard Size Bulkheads Only								
Material: Colored Nylon	Blue	Yellow	Black	Orange	White	Green	Red	Purple

Miniature Panel Mount and Bulkhead Mounting Rings - Page 22



Adapter Panel Mount
Miniature
RoHS Compliant



Thread - Barb	Part Number	PVDF	WP	WN	BN
10-32 UNF Thread (No Flange)					
1032 UNF • 1/16"	PM 1032-1	special order	special order	WN	BN
1032 UNF • 3/32"	PM 1032-1.5	special order	special order	WN	BN
1032 UNF • 1/8"	PM 1032-2	special order	special order	WN	BN
1032 UNF • 5/32"	PM 1032-2.5	special order	special order	WN	BN
1/4-28 UNF Thread (No Flange)					
1/4-28 UNF • 1/16"	PM 1428-1	special order	special order	WN	BN
1/4-28 UNF • 3/32"	PM 1428-1.5	special order	special order	WN	BN
1/4-28 UNF • 1/8"	PM 1428-2	special order	special order	WN	BN
1/4-28 UNF • 5/32"	PM 1428-2.5	special order	special order	WN	BN
1/4-28 UNF • 3/16"	PM 1428-3	special order	special order	WN	BN

Continued →

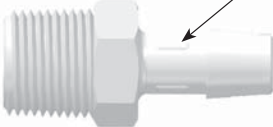


Oetiker clamps and pincers page 63-65
One of the largest selections of clamps in the USA



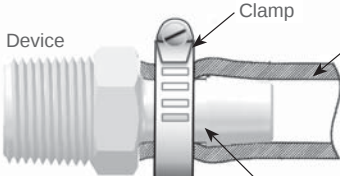
Industrial & Utility

Clamp Placement



Anti-Rotation Device

Clamp



Tubing

Single Barb Fittings

Large Radius of Barb

Eldon James 'Single Barb' fittings allow tubing to be compressed behind the barb. This creates a seal that is far more secure than what can be achieved using fittings with multiple barb configurations (sawtooth design).

Industrial Materials

Adapter Panel Mount

Miniature

RoHS Compliant

PVDF and WP sold in units of 100 or 500 pieces

Panel Mount



Thread - Barb	Part Number	PVDF	WP	WN	BN
5/16-24 UNF Thread (With Flange)					
5/16-24 UNF • 1/16"	PM 51624-1	special order	special order	WN	BN
5/16-24 UNF • 3/32"	PM 51624-1.5	special order	special order	WN	BN
5/16-24 UNF • 1/8"	PM 51624-2	special order	special order	WN	BN
5/16-24 UNF • 5/32"	PM 51624-2.5	special order	special order	WN	BN
5/16-24 UNF • 3/16"	PM 51624-3	special order	special order	WN	BN
5/16-24 UNF • 1/4"	PM 51624-4	special order	special order	WN	BN
1/8" NPSM Straight Thread (With Flange)					
1/8" NPSM • 1/16"	PM 2S-1	special order	special order	WN	BN
1/8" NPSM • 3/32"	PM 2S-1.5	special order	special order	WN	BN
1/8" NPSM • 1/8"	PM 2S-2	special order	special order	WN	BN
1/8" NPSM • 5/32"	PM 2S-2.5	special order	special order	WN	BN
1/8" NPSM • 3/16"	PM 2S-3	special order	special order	WN	BN
1/8" NPSM • 1/4"	PM 2S-4	special order	special order	WN	BN
1/4" NPSM Straight Thread (With Flange)					
1/4" NPSM • 1/16"	PM 4S-1	special order	special order	WN	BN
1/4" NPSM • 3/32"	PM 4S-1.5	special order	special order	WN	BN
1/4" NPSM • 1/8"	PM 4S-2	special order	special order	WN	BN

Special Order - non-inventory items may be restricted to higher minimum quantity requirements

Adapter Panel Mounts

Standard Size

RoHS Compliant

Panel Mount



Standard Size

Thread - Barb	Part Number	PVDF	WP	WN	BN
1/4" NPSM Straight Thread (With Flange)					
1/4" NPSM • 5/32"	PM 4S-2.5	PVDF	WP	WN	BN
1/4" NPSM • 3/16"	PM 4S-3	PVDF	WP	WN	BN
1/4" NPSM • 1/4"	PM 4S-4	PVDF	WP	WN	BN
1/4" NPSM • 5/16"	PM 4S-5	PVDF	WP	WN	BN
1/4" NPSM • 3/8"	PM 4S-6	PVDF	WP	WN	BN
1/4" NPSM • 1/2"	PM 4S-8	PVDF	WP	WN	BN



Handy Clamps - offer the most economical clamping solution available.

- No special tools required
- Easily removed and reusable
- Strong, lightweight nylon material

90° Panel Mount

Miniature
RoHS Compliant

90° Panel Mount

Thread - Barb	Part Number	PVDF	WP	WN	BN
10-32 UNF Thread (No Flange)					
1032 UNF • 1/16"	PML 1032-1	special order	special order	WN	BN
1032 UNF • 3/32"	PML 1032-1.5	special order	special order	WN	BN
1032 UNF • 1/8"	PML 1032-2	special order	special order	WN	BN
1/4-28 UNF Thread (No Flange)					
1/4-28 UNF • 1/16"	PML 1428-1	special order	special order	WN	BN
1/4-28 UNF • 3/32"	PML 1428-1.5	special order	special order	WN	BN
1/4-28 UNF • 1/8"	PML 1428-2	special order	special order	WN	BN
1/4-28 UNF • 5/32"	PML 1428-2.5	special order	special order	WN	BN

**90° Panel Mount****90° Panel Mount**

Miniature
RoHS Compliant

PVDF and WP sold in units of 100 or 500 pieces

Thread - Barb	Part Number	PVDF	WP	WN	BN
5/16-24 UNF Thread (With Flange)					
5/16-24 UNF • 1/16"	PML 51624-1	special order	special order	WN	BN
5/16-24 UNF • 3/32"	PML 51624-1.5	special order	special order	WN	BN
5/16-24 UNF • 1/8"	PML 51624-2	special order	special order	WN	BN
5/16-24 UNF • 5/32"	PML 51624-2.5	special order	special order	WN	BN
1/8" Straight NPSM Thread (With Flange)					
1/8" NPSM • 1/16"	PML 2S-1	special order	special order	WN	BN
1/8" NPSM • 3/32"	PML 2S-1.5	special order	special order	WN	BN
1/8" NPSM • 1/8"	PML 2S-2	special order	special order	WN	BN
1/8" NPSM • 5/32"	PML 2S-2.5	special order	special order	WN	BN
1/8" NPSM • 3/16"	PML 2S-3	special order	special order	WN	BN
1/8" NPSM • 1/4"	PML 2S-4	special order	special order	WN	BN
1/4" NPSM Thread (With Flange)					
1/4" NPSM • 1/16"	PML 4S-1	special order	special order	WN	BN
1/4" NPSM • 3/32"	PML 4S-1.5	special order	special order	WN	BN
1/4" NPSM • 1/8"	PML 4S-2	special order	special order	WN	BN
1/4" NPSM • 5/32"	PML 4S-2.5	special order	special order	WN	BN
1/4" NPSM • 3/16"	PML 4S-3	special order	special order	WN	BN
1/4" NPSM • 1/4"	PML 4S-4	special order	special order	WN	BN

Special Order - non-inventory items may be restricted to higher minimum quantity requirements

Gray Kynar® PVDF	White Polypropylene WP	White Nylon WN	Black Nylon BN
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Couplers - Straight

RoHS Compliant

Couplers

PVDF and WP sold in units of 100 or 500 pieces



Barb Size	Part Number	PVDF	WP	WN	BN
1/16"	C0-1	PVDF	WP	WN	BN
3/32"	C0-1.5	PVDF	WP	WN	BN
1/8"	C0-2	PVDF	WP	WN	BN
5/32"	C0-2.5	PVDF	WP	WN	BN
3/16"	C0-3	PVDF	WP	WN	BN
1/4"	C0-4	PVDF	WP	WN	BN
5/16"	C0-5	PVDF	WP	WN	BN
3/8"	C0-6	PVDF	WP	WN	BN
1/2"	C0-8	PVDF	WP	WN	BN
5/8"	C0-10	PVDF	WP	WN	BN
3/4"	C0-12	PVDF	WP	WN	BN
1"	C0-16	PVDF	WP	WN	BN

Couplers - Reduction

RoHS Compliant

Reducers

PVDF and WP sold in units of 100 or 500 pieces



Barb Sizes	Part Number	PVDF	WP	WN	BN
3/32" • 1/16"	C1.5-1	PVDF	WP	WN	BN
1/8" • 1/16"	C2-1	PVDF	WP	WN	BN
1/8" • 3/32"	C2-1.5	PVDF	WP	WN	BN
5/32" • 1/16"	C2.5-1	PVDF	WP	WN	BN
5/32" • 3/32"	C2.5-1.5	PVDF	WP	WN	BN
5/32" • 1/8"	C2.5-2	PVDF	WP	WN	BN
5/16" • 5/32"	C5-2.5	PVDF	WP	WN	BN
3/16" • 1/16"	C3-1	PVDF	WP	WN	BN
3/16" • 3/32"	C3-1.5	PVDF	WP	WN	BN
3/16" • 1/8"	C3-2	PVDF	WP	WN	BN
3/16" • 5/32"	C3-2.5	PVDF	WP	WN	BN
1/4" • 1/16"	C4-1	PVDF	WP	WN	BN
1/4" • 3/32"	C4-1.5	PVDF	WP	WN	BN
1/4" • 1/8"	C4-2	PVDF	WP	WN	BN
1/4" • 5/32"	C4-2.5	PVDF	WP	WN	BN
1/4" • 3/16"	C4-3	PVDF	WP	WN	BN
5/16" • 5/32"	C5-2.5	PVDF	WP	WN	BN
5/16" • 1/4"	C5-4	PVDF	WP	WN	BN
3/8" • 1/8"	C6-2	PVDF	WP	WN	BN
3/8" • 5/32"	C6-2.5	PVDF	WP	WN	BN
3/8" • 1/4"	C6-4	PVDF	WP	WN	BN
3/8" • 5/16"	C6-5	PVDF	WP	WN	BN

Couplers - Reduction

RoHS Compliant (continued)

Reducers



Barb Sizes	Part Number	PVDF	WP	WN	BN
1/2" • 1/4"	C8-4	PVDF	WP	WN	BN
1/2" • 5/16"	C8-5	PVDF	WP	WN	BN
1/2" • 3/8"	C8-6	PVDF	WP	WN	BN
5/8" • 1/4"	C10-4	PVDF	WP	WN	BN
5/8" • 5/16"	C10-5	PVDF	WP	WN	BN
5/8" • 3/8"	C10-6	PVDF	WP	WN	BN
5/8" • 1/2"	C10-8	PVDF	WP	WN	BN
3/4" • 3/8"	C12-6	PVDF	WP	WN	BN
3/4" • 1/2"	C12-8	PVDF	WP	WN	BN
3/4" • 5/8"	C12-10	PVDF	WP	WN	BN
1" • 1/2"	C16-8	PVDF	WP	WN	BN
1" • 5/8"	C16-10	PVDF	WP	WN	BN
1" • 3/4"	C16-12	PVDF	WP	WN	BN

Cross Fittings - X's

RoHS Compliant

Crosses

PVDF and WP sold in units of 100 or 500 pieces



Barb Size	Part Number	PVDF	WP	WN	BN
1/16"	X0-1	PVDF	WP	WN	BN
3/32"	X0-1.5	PVDF	WP	WN	BN
1/8"	X0-2	PVDF	WP	WN	BN
5/32"	X0-2.5	PVDF	WP	WN	BN
3/16"	X0-3	PVDF	WP	WN	BN
1/4"	X0-4	PVDF	WP	WN	BN

Industrial & Utility

Elbows - Equal

RoHS Compliant

Elbows



Barb Size	Part Number	PVDF	WP	WN	BN
1/16"	L0-1	PVDF	WP	WN	BN
3/32"	L0-1.5	PVDF	WP	WN	BN
1/8"	L0-2	PVDF	WP	WN	BN
5/32"	L0-2.5	PVDF	WP	WN	BN
3/16"	L0-3	PVDF	WP	WN	BN

Gray Kynar® PVDF

White Polypropylene WP

White Nylon WN

Black Nylon BN

Continued →

Elbows - Equal

RoHS Compliant (continued)

Elbows

Barb Size	Part Number	PVDF	WP	WN	BN
1/4"	L0-4	PVDF	WP	WN	BN
5/16"	L0-5	PVDF	WP	WN	BN
3/8"	L0-6	PVDF	WP	WN	BN
1/2"	L0-8	PVDF	WP	WN	BN
5/8"	L0-10	PVDF	WP	WN	BN
3/4"	L0-12	PVDF	WP	WN	BN
1"	L0-16	PVDF	WP	WN	BN

Reduction Elbows**Elbows - Miniature Reduction**

RoHS Compliant



Barb Sizes	Part Number	PVDF	WP	WN	BN
3/32" • 1/16"	RL1.5-1	PVDF	WP	WN	BN
1/8" • 1/16"	RL2-1	PVDF	WP	WN	BN
1/8" • 3/32"	RL2-1.5	PVDF	WP	WN	BN

Barb Sizes	Part Number	PVDF	WP	WN	BN
5/32" • 1/16"	RL2.5-1	special order	special order	WN	BN
5/32" • 3/32"	RL2.5-1.5	special order	special order	WN	BN
5/32" • 1/8"	RL2.5-2	special order	special order	WN	BN
3/16" • 1/16"	RL3-1	special order	special order	WN	BN
3/16" • 3/32"	RL3-1.5	special order	special order	WN	BN
3/16" • 1/8"	RL3-2	special order	special order	WN	BN
3/16" • 5/32"	RL3-2.5	special order	special order	WN	BN
1/4" • 1/16"	RL4-1	special order	special order	WN	BN
1/4" • 3/32"	RL4-1.5	special order	special order	WN	BN
1/4" • 1/8"	RL4-2	special order	special order	WN	BN
1/4" • 5/32"	RL4-2.5	special order	special order	WN	BN
1/4" • 3/16"	RL4-3	special order	special order	WN	BN

Special Order - non-inventory items may be restricted to higher minimum quantity requirements

PVDF and WP sold in units of 100 or 500 pieces

Gray Kynar® PVDF

White Polypropylene WP

White Nylon WN

Black Nylon BN

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Elbows - Reduction
RoHS Compliant
(Continued)

Reduction Elbows

PVDF and WP sold in units of 100 or 500 pieces



Barb Sizes	Part Number	PVDF	WP	WN	BN
5/16" • 1/4"	RL5-4	PVDF	WP	WN	BN
3/8" • 1/4"	RL6-4	PVDF	WP	WN	BN
1/2" • 1/4"	RL8-4	PVDF	WP	WN	BN
1/2" • 3/8"	RL8-6	PVDF	WP	WN	BN

Elbows
Threaded Miniature
RoHS Compliant

Elbows-Threaded

10-32 UNF • 10-32 Taper • 1/4-28 UNF • 1/16" NPT



Thread - Barb	Part Number	PVDF	WP	WN	BN
10-32 UNF • 1/16"	L1032-1	PVDF	WP	WN	BN
10-32 UNF • 3/32"	L1032-1.5	PVDF	WP	WN	BN
10-32 UNF • 1/8"	L1032-2	PVDF	WP	WN	BN
10-32 Taper • 1/16"	L1032T-1	PVDF	WP	WN	BN
10-32 Taper • 3/32"	L1032T-1.5	PVDF	WP	WN	BN
10-32 Taper • 1/8"	L1032T-2	PVDF	WP	WN	BN
1/4-28 UNF • 1/16"	L1428-1	PVDF	WP	WN	BN
1/4-28 UNF • 3/32"	L1428-1.5	PVDF	WP	WN	BN
1/4-28 UNF • 1/8"	L1428-2	PVDF	WP	WN	BN
1/4-28 UNF • 5/32"	L1428-2.5	PVDF	WP	WN	BN
1/4-28 UNF • 3/16"	L1428-3	PVDF	WP	WN	BN
1/16" NPT • 1/16"	L1-1	PVDF	WP	WN	BN
1/16" NPT • 3/32"	L1-1.5	PVDF	WP	WN	BN
1/16" NPT • 1/8"	L1-2	PVDF	WP	WN	BN
1/16" NPT • 5/32"	L1-2.5	PVDF	WP	WN	BN
1/16" NPT • 3/16"	L1-3	PVDF	WP	WN	BN
1/16" NPT • 1/4"	L1-4	PVDF	WP	WN	BN

Elbows - Metric Threaded Miniature
RoHS Compliant

5 mm • 6 mm Metric Threads

Thread - Barb	Part Number	PVDF	WP	WN	BN
5 mm • 1/16"	L5M-1	special order	special order	WN	BN
5 mm • 3/32"	L5M-1.5	special order	special order	WN	BN
5 mm • 1/8"	L5M-2	special order	special order	WN	BN
5 mm • 5/32"	L5M-2.5	special order	special order	WN	BN
6 mm • 1/16"	L6M-1	special order	special order	WN	BN
6 mm • 3/32"	L6M-1.5	special order	special order	WN	BN
6 mm • 1/8"	L6M-2	special order	special order	WN	BN
6 mm • 5/32"	L6M-2.5	special order	special order	WN	BN
6 mm • 3/16"	L6M-3	special order	special order	WN	BN

Elbows - Threaded
1/8" to 1" NPT
RoHS Compliant

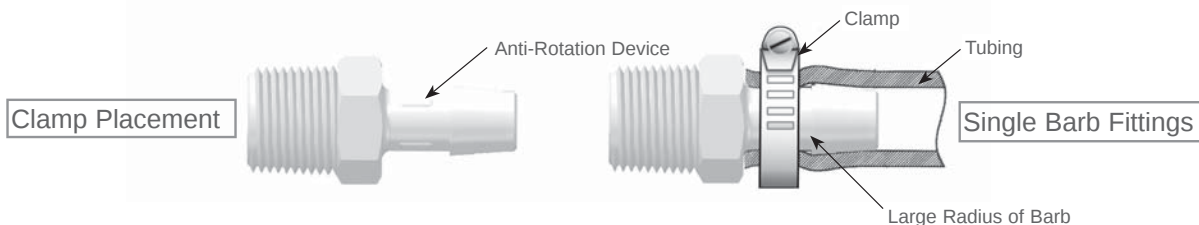
Elbows-Threaded

PVDF and WP sold in units of 100 or 500 pieces



Thread - Barb	Part Number	PVDF	WP	WN	BN
1/8" NPT • 1/16"	L2-1	PVDF	WP	WN	BN
1/8" NPT • 3/32"	L2-1.5	PVDF	WP	WN	BN
1/8" NPT • 1/8"	L2-2	PVDF	WP	WN	BN
1/8" NPT • 5/32"	L2-2.5	PVDF	WP	WN	BN
1/8" NPT • 3/16"	L2-3	PVDF	WP	WN	BN
1/8" NPT • 1/4"	L2-4	PVDF	WP	WN	BN
1/8" NPT • 5/16"	L2-5	PVDF	WP	WN	BN
1/8" NPT • 3/8"	L2-6	PVDF	WP	WN	BN
1/4" NPT • 1/8"	L4-2	PVDF	WP	WN	BN
1/4" NPT • 5/32"	L4-2.5	PVDF	WP	WN	BN
1/4" NPT • 3/16"	L4-3	PVDF	WP	WN	BN
1/4" NPT • 1/4"	L4-4	PVDF	WP	WN	BN
1/4" NPT • 5/16"	L4-5	PVDF	WP	WN	BN
1/4" NPT • 3/8"	L4-6	PVDF	WP	WN	BN
1/4" NPT • 1/2"	L4-8	PVDF	WP	WN	BN
3/8" NPT • 1/4"	L6-4	PVDF	WP	WN	BN
3/8" NPT • 5/16"	L6-5	PVDF	WP	WN	BN
3/8" NPT • 3/8"	L6-6	PVDF	WP	WN	BN
3/8" NPT • 1/2"	L6-8	PVDF	WP	WN	BN
1/2" NPT • 1/4"	L8-4	PVDF	WP	WN	BN
1/2" NPT • 3/8"	L8-6	PVDF	WP	WN	BN
1/2" NPT • 1/2"	L8-8	PVDF	WP	WN	BN
1/2" NPT • 5/8"	L8-10	PVDF	WP	WN	BN
1/2" NPT • 3/4"	L8-12	PVDF	WP	WN	BN
3/4" NPT • 1/4"	L12-4	PVDF	WP	WN	BN
3/4" NPT • 3/8"	L12-6	PVDF	WP	WN	BN
3/4" NPT • 1/2"	L12-8	PVDF	WP	WN	BN
3/4" NPT • 5/8"	L12-10	PVDF	WP	WN	BN
3/4" NPT • 3/4"	L12-12	PVDF	WP	WN	BN
3/4" NPT • 1"	L12-16	PVDF	WP	WN	BN
1" NPT • 3/4"	L16-12	PVDF	WP	WN	BN
1" NPT • 1"	L16-16	PVDF	WP	WN	BN

Industrial & Utility



Torque Spec. for Plastic Threads: finger tight plus 1/2 to 1 turn with a wrench

Female Junctions

10-32F UNF
RoHS Compliant

Female Junctions



Female Thread - Style	Part Number	PVDF	WP	WN	BN
10-32F UNF • Straight	1032F-C	n/a	n/a	n/a	BN
10-32F UNF • Elbow	1032F-E	n/a	n/a	n/a	BN
10-32F UNF • Tee	L1032F-T	n/a	n/a	n/a	BN
10-32F UNF • Cross	L1428F-X	n/a	n/a	n/a	BN

Also available in Natural Polypropylene and Natural Nylon - see Natural Materials Section

Garden Hose Adapter

RoHS Compliant

Garden Hose



Thread • Barb	Part Number	PVDF	WP	WN	BN
3/4" GH • 1/4"	A12GH-4	n/a	n/a	WN	BN
3/4" GH • 3/8"	A12GH-6	n/a	n/a	WN	BN
3/4" GH • 1/2"	A12GH-8	n/a	n/a	WN	BN
3/4" GH • 5/8"	A12GH-10	n/a	n/a	WN	BN
3/4" GH • 3/4"	A12GH-12	n/a	n/a	WN	BN
3/4" GH • 1"	A12GH-16	n/a	n/a	WN	BN

Nipples - UNF & NPT

RoHS Compliant

Pipe Nipples



Thread Size	Part Number	PVDF	WP	WN	BN
10-32 UNF	N1032	PVDF	WP	WN	BN
1032 Taper	N1032T	PVDF	WP	WN	BN
1/8" NPT	N2	PVDF	WP	WN	BN
1/4" NPT	N4	PVDF	WP	WN	BN
3/8" NPT	N6	PVDF	WP	WN	BN
1/2" NPT	N8	PVDF	WP	WN	BN
3/4" NPT	N12	PVDF	WP	WN	BN
1" NPT	N16	PVDF	WP	WN	BN

Gray Kynar® PVDF

White Polypropylene WP

White Nylon WN

Black Nylon BN

Industrial & Utility

Nipples

Reduction & Conversion
RoHS Compliant

Conversion Nipples

PVDF and WP sold in units of 100 or 500 pieces



Thread • Thread	Part Number	PVDF	WP	WN	BN
1/16" NPT • 1/4-28 UNF	RN1-1428	PVDF	WP	WN	BN
1/8" NPT • 1/16" NPT	RN2-1	PVDF	WP	WN	BN
1/4" NPT • 1/8" NPT	RN4-2	PVDF	WP	WN	BN
3/8" NPT • 1/8" NPT	RN6-2	PVDF	WP	WN	BN
3/8" NPT • 1/4" NPT	RN6-4	PVDF	WP	WN	BN
1/2" NPT • 1/8" NPT	RN8-2	PVDF	WP	WN	BN
1/2" NPT • 1/4" NPT	RN8-4	PVDF	WP	WN	BN
1/2" NPT • 3/8" NPT	RN8-6	PVDF	WP	WN	BN
1" NPT • 3/4" NPT	RN16-12	PVDF	WP	WN	BN

Insert Plugs

Plugs - Insert
RoHS Compliant



Barb Size	Part Number	PVDF	WP	WN	BN
1/16"	P0-1	PVDF	WP	WN	BN
3/32"	P0-1.5	PVDF	WP	WN	BN
1/8"	P0-2	PVDF	WP	WN	BN
5/32"	P0-2.5	PVDF	WP	WN	BN
3/16"	P0-3	PVDF	WP	WN	BN
1/4"	P0-4	PVDF	WP	WN	BN
3/8"	P0-6	PVDF	WP	WN	BN
1/2"	P0-8	PVDF	WP	WN	BN

Plugs - Threaded

NPT & UNF
RoHS Compliant

Plugs-Threaded



Thread Size	Part Number	PVDF	WP	WN	BN
5 mm (metric)	P5M	PVDF	WP	WN	BN
6 mm (metric)	P6M	PVDF	WP	WN	BN
10-32 UNF	P1032	PVDF	WP	WN	BN
10-32 Taper	P1032T	PVDF	WP	WN	BN
1/4-28 UNF	P1428	PVDF	WP	WN	BN
1/16" NPT	P1	PVDF	WP	WN	BN
1/8" NPT	P2	PVDF	WP	WN	BN
1/4" NPT	P4	PVDF	WP	WN	BN
3/8" NPT	P6	PVDF	WP	WN	BN
1/2" NPT	P8	PVDF	WP	WN	BN
3/4" NPT	P12	PVDF	WP	WN	BN
1" NPT	P16	PVDF	WP	WN	BN

Tees

Tees - Equal Barb
RoHS Compliant

PVDF and WP sold in units of 100 or 500 pieces



Barb Size	Part Number	PVDF	WP	WN	BN
1/16"	T0-1	PVDF	WP	WN	BN
3/32"	T0-1.5	PVDF	WP	WN	BN
1/8"	T0-2	PVDF	WP	WN	BN
5/32"	T0-2.5	PVDF	WP	WN	BN
3/16"	T0-3	PVDF	WP	WN	BN
1/4"	T0-4	PVDF	WP	WN	BN
5/16"	T0-5	PVDF	WP	WN	BN
3/8"	T0-6	PVDF	WP	WN	BN
1/2"	T0-8	PVDF	WP	WN	BN
5/8"	T0-10	PVDF	WP	WN	BN
3/4"	T0-12	PVDF	WP	WN	BN
1"	T0-16	PVDF	WP	WN	BN

Tees - Miniature Asymmetric
RoHS Compliant

Asymmetric Tees



Barbs (A) - Barb (B)	Part Number	PVDF	WP	WN	BN
3/32" • 1/16"	LRT1.5-1	PVDF	WP	WN	BN
1/8" • 1/16"	LRT2-1	PVDF	WP	WN	BN
1/8" • 3/32"	LRT2-1.5	PVDF	WP	WN	BN
5/32" • 1/16"	LRT2.5-1	special order	special order	WN	BN
5/32" • 3/32"	LRT2.5-1.5	special order	special order	WN	BN
5/32" • 1/8"	LRT2.5-2	special order	special order	WN	BN
3/16" • 1/16"	LRT3-1	special order	special order	WN	BN
3/16" • 3/32"	LRT3-1.5	special order	special order	WN	BN
3/16" • 1/8"	LRT3-2	special order	special order	WN	BN
3/16" • 5/32"	LRT3-2.5	special order	special order	WN	BN
1/4" • 1/16"	LRT4-1	special order	special order	WN	BN
1/4" • 3/32"	LRT4-1.5	special order	special order	WN	BN
1/4" • 1/8"	LRT4-2	special order	special order	WN	BN
1/4" • 5/32"	LRT4-2.5	special order	special order	WN	BN
1/4" • 3/16"	LRT4-3	special order	special order	WN	BN

Special Order - non-inventory items may be restricted to higher minimum quantity requirements

Gray Kynar® PVDF	White Polypropylene WP	White Nylon WN	Black Nylon BN
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Tees - Miniature Reduction

RoHS Compliant

Tees-Reduction

PVDF and WP sold in units of 100 or 500 pieces



(2) Run - (1) Leg	Part Number	PVDF	WP	WN	BN
1/16" • 3/32"	RT1-1.5	PVDF	WP	WN	BN
1/16" • 1/8"	RT1-2	PVDF	WP	WN	BN
1/16" • 5/32"	RT1-2.5	special order	special order	WN	BN
3/32" • 1/16"	RT1.5-1	PVDF	WP	WN	BN
3/32" • 1/8"	RT1.5-2	PVDF	WP	WN	BN
3/32" • 5/32"	RT1.5-2.5	special order	special order	WN	BN
3/32" • 3/16"	RT1.5-3	special order	special order	WN	BN
1/8" • 1/16"	RT2-1	PVDF	WP	WN	BN
1/8" • 3/32"	RT2-1.5	PVDF	WP	WN	BN
1/8" • 5/32"	RT2-2.5	special order	special order	WN	BN
1/8" • 3/16"	RT2-3	special order	special order	WN	BN
1/8" • 1/4"	RT2-4	special order	special order	WN	BN
5/32" • 1/16"	RT2.5-1	special order	special order	WN	BN
5/32" • 3/32"	RT2.5-1.5	special order	special order	WN	BN
5/32" • 1/8"	RT2.5-2	special order	special order	WN	BN
5/32" • 3/16"	RT2.5-3	special order	special order	WN	BN
5/32" • 1/4"	RT2.5-4	special order	special order	WN	BN
5/32" • 3/8"	RT2.5-6	PVDF	WP	WN	BN
3/16" • 1/16"	RT3-1	special order	special order	WN	BN
3/16" • 3/32"	RT3-1.5	special order	special order	WN	BN
3/16" • 1/8"	RT3-2	special order	special order	WN	BN
3/16" • 5/32"	RT3-2.5	special order	special order	WN	BN
3/16" • 1/4"	RT3-4	special order	special order	WN	BN
1/4" • 1/16"	RT4-1	special order	special order	WN	BN
1/4" • 3/32"	RT4-1.5	PVDF	WP	WN	BN
1/4" • 1/8"	RT4-2	PVDF	WP	WN	BN
1/4" • 5/32"	RT4-2.5	special order	special order	WN	BN
1/4" • 3/16"	RT4-3	PVDF	WP	WN	BN

Industrial & Utility

Tees - Reduction

Standard Size
RoHS Compliant

Tees-Reduction



(2) Run - (1) Leg	Part Number	PVDF	WP	WN	BN
1/4" • 3/8"	RT4-6	PVDF	WP	WN	BN
1/4" • 5/8"	RT4-10	PVDF	WP	WN	BN
3/8" • 5/32"	RT6-2.5	PVDF	WP	WN	BN
3/8" • 1/4"	RT6-4	PVDF	WP	WN	BN

Tees - Reduction
Standard (continued)
RoHS Compliant

Tees-Reduction



(2) Run - (1) Leg	Part Number	PVDF	WP	WN	BN
1/2" • 1/4"	RT8-4	PVDF	WP	WN	BN
1/2" • 5/16"	RT8-5	PVDF	WP	WN	BN
1/2" • 3/8"	RT8-6	PVDF	WP	WN	BN
5/8" • 5/16"	RT10-5	PVDF	WP	WN	BN
5/8" • 3/8"	RT10-6	PVDF	WP	WN	BN
3/4" • 3/8"	RT12-6	PVDF	WP	WN	BN
3/4" • 1/2"	RT12-8	PVDF	WP	WN	BN
3/4" • 5/8"	RT12-10	PVDF	WP	WN	BN
1" • 5/8"	RT16-10	PVDF	WP	WN	BN

Tees - Threaded Miniature
RoHS Compliant

Tees-Threaded

10-32 UNF • 10-32 Taper • 1/4-28 UNF • 1/16" NPT



Thread - Barbs	Part Number	PVDF	WP	WN	BN
10-32 UNF • 1/16"	T1032-1	PVDF	WP	WN	BN
10-32 UNF • 3/32"	T1032-1.5	PVDF	WP	WN	BN
10-32 UNF • 1/8"	T1032-2	PVDF	WP	WN	BN
10-32 UNF • 5/32"	T1032-2.5	PVDF	WP	WN	BN
10-32 Taper • 1/16"	T1032T-1	PVDF	WP	WN	BN
10-32 Taper • 3/32"	T1032T-1.5	PVDF	WP	WN	BN
10-32 Taper • 1/8"	T1032T-2	PVDF	WP	WN	BN
10-32 Taper • 5/32"	T1032T-2.5	PVDF	WP	WN	BN
1/4-28 UNF • 1/16"	T1428-1	PVDF	WP	WN	BN
1/4-28 UNF • 3/32"	T1428-1.5	PVDF	WP	WN	BN
1/4-28 UNF • 1/8"	T1428-2	PVDF	WP	WN	BN
1/4-28 UNF • 5/32"	T1428-2.5	PVDF	WP	WN	BN
1/4-28 UNF • 3/16"	T1428-3	PVDF	WP	WN	BN
1/16" NPT • 1/16"	T1-1	PVDF	WP	WN	BN
1/16" NPT • 3/32"	T1-1.5	PVDF	WP	WN	BN
1/16" NPT • 1/8"	T1-2	PVDF	WP	WN	BN
1/16" NPT • 5/32"	T1-2.5	PVDF	WP	WN	BN
1/16" NPT • 3/16"	T1-3	PVDF	WP	WN	BN

PVDF and WP sold in units of 100 or 500 pieces

Gray Kynar® PVDF

White Polypropylene WP

White Nylon WN

Black Nylon BN

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Tees - Metric
Threaded Miniature
RoHS Compliant

5 mm • 6 mm Metric Threads

Tees-Threaded



Thread - Barbs	Part Number	PVDF	WP	WN	BN
5 mm • 1/16"	T5M-1	special order	special order	WN	BN
5 mm • 3/32"	T5M-1.5	special order	special order	WN	BN
5 mm • 1/8"	T5M-2	special order	special order	WN	BN
5 mm • 5/32"	T5M-2.5	special order	special order	WN	BN
6 mm • 1/16"	T6M-1	special order	special order	WN	BN
6 mm • 3/32"	T6M-1.5	special order	special order	WN	BN
6 mm • 1/8"	T6M-2	special order	special order	WN	BN
6 mm • 5/32"	T6M-2.5	special order	special order	WN	BN
6 mm • 3/16"	T6M-3	special order	special order	WN	BN

Tees - Threaded
1/8" to 1" NPT
RoHS Compliant

Tees-Threaded



Thread - Barbs	Part Number	PVDF	WP	WN	BN
1/8" NPT • 1/16"	T2-1	PVDF	WP	WN	BN
1/8" NPT • 3/32"	T2-1.5	PVDF	WP	WN	BN
1/8" NPT • 1/8"	T2-2	PVDF	WP	WN	BN
1/8" NPT • 5/32"	T2-2.5	PVDF	WP	WN	BN
1/8" NPT • 3/16"	T2-3	PVDF	WP	WN	BN
1/8" NPT • 1/4"	T2-4	PVDF	WP	WN	BN
1/8" NPT • 5/16"	T2-5	PVDF	WP	WN	BN
1/8" NPT • 3/8"	T2-6	PVDF	WP	WN	BN
1/4" NPT • 1/8"	T4-2	PVDF	WP	WN	BN
1/4" NPT • 5/32"	T4-2.5	PVDF	WP	WN	BN
1/4" NPT • 3/16"	T4-3	PVDF	WP	WN	BN
1/4" NPT • 1/4"	T4-4	PVDF	WP	WN	BN
1/4" NPT • 5/16"	T4-5	PVDF	WP	WN	BN
1/4" NPT • 3/8"	T4-6	PVDF	WP	WN	BN
1/4" NPT • 1/2"	T4-8	PVDF	WP	WN	BN
3/8" NPT • 1/4"	T6-4	PVDF	WP	WN	BN
3/8" NPT • 5/16"	T6-5	PVDF	WP	WN	BN
3/8" NPT • 3/8"	T6-6	PVDF	WP	WN	BN
3/8" NPT • 1/2"	T6-8	PVDF	WP	WN	BN
1/2" NPT • 1/4"	T8-4	PVDF	WP	WN	BN
1/2" NPT • 3/8"	T8-6	PVDF	WP	WN	BN
1/2" NPT • 1/2"	T8-8	PVDF	WP	WN	BN
1/2" NPT • 5/8"	T8-10	PVDF	WP	WN	BN
1/2" NPT • 3/4"	T8-12	PVDF	WP	WN	BN

Tees - Threaded
1/8" to 1" NPT (continued)
RoHS Compliant

Tees-Threaded



Thread - Barbs	Part Number	PVDF	WP	WN	BN
3/4" NPT • 1/4"	T12-4	PVDF	WP	WN	BN
3/4" NPT • 3/8"	T12-6	PVDF	WP	WN	BN
3/4" NPT • 1/2"	T12-8	PVDF	WP	WN	BN
3/4" NPT • 5/8"	T12-10	PVDF	WP	WN	BN
3/4" NPT • 3/4"	T12-12	PVDF	WP	WN	BN
3/4" NPT • 1"	T12-16	PVDF	WP	WN	BN
1" NPT • 3/4"	T16-12	PVDF	WP	WN	BN
1" NPT • 1"	T16-16	PVDF	WP	WN	BN

Y-Connectors
RoHS Compliant

Y Connectors

PVDF and WP sold in units of 100 or 500 pieces



Size	Part Number	PVDF	WP	WN	BN
1/16"	Y0-1	PVDF	WP	WN	BN
3/32"	Y0-1.5	PVDF	WP	WN	BN
1/8"	Y0-2	PVDF	WP	WN	BN
5/32"	Y0-2.5	PVDF	WP	WN	BN
3/16"	Y0-3	PVDF	WP	WN	BN
1/4"	Y0-4	PVDF	WP	WN	BN
3/8"	Y0-6	PVDF	WP	WN	BN
1/2"	Y0-8	PVDF	WP	WN	BN
5/8"	Y0-10	PVDF	WP	WN	BN

Y sizes for up to 1" hose ID - see page 37

Y Reduction



(2) Barbs - (1) Barb	Part Number	PVDF	WP	WN	BN
1/4" • 3/8"	RY4-6	PVDF	WP	WN	BN



Clamping Solutions - See Pages: 63-65



Eldon James stocks one of the largest assortments of clamp sizes in the USA
In addition, a variety of special purpose sizes and styles are available by special order.

Adapters

BSPT RoHS Compliant



British Threaded - BSPT Fittings

Adapters



Thread - Barb	Part Number	PVDF	WP	WN	BN
1/8" BSPT • 1/8"	A2B-2	PVDF	WP	WN	BN
1/8" BSPT • 5/32"	A2B-2.5	PVDF	WP	WN	BN
1/8" BSPT • 1/4"	A2B-4	PVDF	WP	WN	BN
1/8" BSPT • 5/16"	A2B-5	PVDF	WP	WN	BN
1/8" BSPT • 3/8"	A2B-6	PVDF	WP	WN	BN
1/4" BSPT • 1/8"	A4B-2	PVDF	WP	WN	BN
1/4" BSPT • 5/32"	A4B-2.5	PVDF	WP	WN	BN
1/4" BSPT • 3/16"	A4B-3	PVDF	WP	WN	BN
1/4" BSPT • 1/4"	A4B-4	PVDF	WP	WN	BN
1/4" BSPT • 5/16"	A4B-5	PVDF	WP	WN	BN
1/4" BSPT • 3/8"	A4B-6	PVDF	WP	WN	BN
1/4" BSPT • 1/2"	A4B-8	PVDF	WP	WN	BN
3/8" BSPT • 1/4"	A6B-4	PVDF	WP	WN	BN
3/8" BSPT • 5/16"	A6B-5	PVDF	WP	WN	BN
3/8" BSPT • 3/8"	A6B-6	PVDF	WP	WN	BN
3/8" BSPT • 1/2"	A6B-8	PVDF	WP	WN	BN

Industrial & Utility

Plugs

Plugs

BSPT RoHS Compliant



British Threaded - BSPT Fittings



Thread Size	Part Number	PVDF	WP	WN	BN
1/8" BSPT	P2B	PVDF	WP	WN	BN
1/4" BSPT	P4B	PVDF	WP	WN	BN
3/8" BSPT	P6B	PVDF	WP	WN	BN

Size	Threads / Inch	Approximate Thread Pitch	Length of Useful Threads
1/8" BSPT	28	.0357 Inches	.250 Inches
1/4" BSPT	19	.0526 Inches	.380 Inches
3/8" BSPT	19	.0526 Inches	.390 Inches

BSPT - British Standard Pipe Thread Tapered

BSPT threads are based on the Whitworth thread form, which is designed to provide a pressure-tight fit through mating of the threads. This is accomplished by cutting the threads on a taper. Because they are tapered, the thread can only screw into the companion female thread a certain distance before it jams. The standard specifies this distance as a length based on hand-tight engagement; however, a convenient rule-of-thumb for plastic threads is: finger-tight plus 1/2 to 1 turn with a wrench. Do not over-tighten plastic threads - stress on the fitting can result in its failure.

Elbows - Threaded
BSPT RoHS Compliant

Elbows

 British Threaded - BSPT Fittings



Thread - Barb	Part Number	PVDF	WP	WN	BN
1/8" BSPT • 1/8"	L2B-2	PVDF	WP	WN	BN
1/8" BSPT • 5/32"	L2B-2.5	PVDF	WP	WN	BN
1/8" BSPT • 1/4"	L2B-4	PVDF	WP	WN	BN
1/8" BSPT • 5/16"	L2B-5	PVDF	WP	WN	BN
1/8" BSPT • 3/8"	L2B-6	PVDF	WP	WN	BN
1/4" BSPT • 1/8"	L4B-2	PVDF	WP	WN	BN
1/4" BSPT • 5/32"	L4B-2.5	PVDF	WP	WN	BN
1/4" BSPT • 3/16"	L4B-3	PVDF	WP	WN	BN
1/4" BSPT • 1/4"	L4B-4	PVDF	WP	WN	BN
1/4" BSPT • 5/16"	L4B-5	PVDF	WP	WN	BN
1/4" BSPT • 3/8"	L4B-6	PVDF	WP	WN	BN
1/4" BSPT • 1/2"	L4B-8	PVDF	WP	WN	BN
3/8" BSPT • 1/4"	L6B-4	PVDF	WP	WN	BN
3/8" BSPT • 5/16"	L6B-5	PVDF	WP	WN	BN
3/8" BSPT • 3/8"	L6B-6	PVDF	WP	WN	BN
3/8" BSPT • 1/2"	L6B-8	PVDF	WP	WN	BN

Tees - Threaded
BSPT RoHS Compliant

Tees

 British Threaded - BSPT Fittings



Thread - Barbs	Part Number	PVDF	WP	WN	BN
1/8" BSPT • 5/32"	T2B-2.5	PVDF	WP	WN	BN
1/8" BSPT • 1/4"	T2B-4	PVDF	WP	WN	BN
1/8" BSPT • 3/8"	T2B-6	PVDF	WP	WN	BN
1/4" BSPT • 5/32"	T4B-2.5	PVDF	WP	WN	BN
1/4" BSPT • 3/16"	T4B-3	PVDF	WP	WN	BN
1/4" BSPT • 1/4"	T4B-4	PVDF	WP	WN	BN
1/4" BSPT • 5/16"	T4B-5	PVDF	WP	WN	BN
1/4" BSPT • 3/8"	T4B-6	PVDF	WP	WN	BN
1/4" BSPT • 1/2"	T4B-8	PVDF	WP	WN	BN
3/8" BSPT • 1/4"	T6B-4	PVDF	WP	WN	BN
3/8" BSPT • 5/16"	T6B-5	PVDF	WP	WN	BN
3/8" BSPT • 3/8"	T6B-6	PVDF	WP	WN	BN
3/8" BSPT • 1/2"	T6B-8	PVDF	WP	WN	BN