

# Elbow



## **ELBOW**

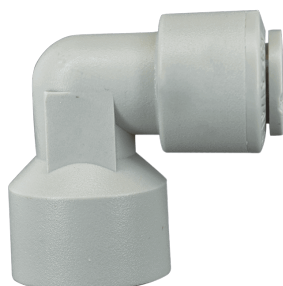
Browse our diverse selection of Elbows including brass, plastic, stainless steel, and other materials of your choice.



## FME SERIES

FME Series is a female-to-male street Elbow. In addition, this elbow is made of natural Nylon or Polypropylene.

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## PFE SERIES

PFE Series is a Push-to-connect fitting to a female pipe thread (FNPT) in a Fixed Elbow configuration. Also, push-to-connect sizes range from 1/4" or 3/8" with female pipe threads of 3/8" or 1/4". This fitting is available in gray Acetal, PVDF, and white Polypropylene. It is suitable for liquids and inert gases.

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SKU	DESCRIPTION
PFE-4F4	1/4 FNPT by 1/4 OD Elbow Push-to-Connect Elbow
PFE-6F4	3/8 FNPT by 1/4 OD Elbow Push-to-Connect Elbow
PFE-6F6	3/8 FNPT by 3/8 OD Elbow Push-to-Connect Elbow



## SFE SERIES

SFE Series is an Elbow adapter made of PVC and can be used for irrigation and O.E.M. applications. There is a wide variety of configurations available for use with Polyethylene pipe sizes 1/2" through 2". Also, it conforms to ASTM D 2609 and is NSF-certified for use with potable water. Female NPT thread sizes are 1/2", 3/4", 1", 1-1/4", 1-1/2" and 2". Furthermore, Barb sizes range from 1/2" to 1-1/2".



## 20AC PB10 SERIES

20AC 1/8 Flow. Acetal Male Plug Elbows quick couplers. Compression sizes of 5/32 OD by .10 ID and 1/4 OD by .170 ID Poly tubing.

Nickel-plated brass nut.

NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	L(nv/v)	WIDTH	HEIGHT
20AC-PB10-025	20ACV-PB10-025	5/32" OD, .10" ID	4.0 MM OD, 2.5 MM ID	1.09"/1.20"	.50"	.99"
20AC-PB10-04	20ACV-PB10-04	1/4 OD", .17" ID	6.4 MM OD, 4.3 MM ID	1.09"/1.20"	.50"	1.02"



## DEFV SERIES

DEFV series is a Push-to-Connect Flow Control Valve Elbow made with nickel-plated threads and a stem with a PBT body. Standard controls flow out but checks the flow back. Also, these valves needle the flow from the tube and check the flow back through the tubing line. They are equipped with a single push-to-connect port at a 90° angle to the male thread. Furthermore, thread sizes are 10-32, 1/8", 1/4", 3/8" and 1/2".

SKU	DESCRIPTION
DEFV-10U18P	10-32 by 1/8 OD Push-to-Connect Elbow Flow Control
DEFV-10U532P	10-32 by 5/32 OD Push-to-Connect Elbow Flow Control
DEFV-10U316P	10-32 by 3/16 OD Push-to-Connect Elbow Flow Control
DEFV-10U14P	10-32 by 1/4 OD Push-to-Connect Elbow Flow Control
DEFV-10U516P	10-32 by 5/16 OD Push-to-Connect Elbow Flow Control
DEFV-2M18P	1/8 MNPT by 1/8 OD Push-to-Connect Elbow Flow Control
DEFV-2M532P	1/8 MNPT by 5/32 OD Push-to-Connect Elbow Flow Control
DEFV-2M316P	1/8 MNPT by 3/16 OD Push-to-Connect Elbow Flow Control
DEFV-2M14P	1/8 MNPT by 1/4 OD Push-to-Connect Elbow Flow Control
DEFV-2M516P	1/8 MNPT by 5/16 OD Push-to-Connect Elbow Flow Control
DEFV-4M532P	1/4 MNPT by 5/32 OD Push-to-Connect Elbow Flow Control
DEFV-4M316P	1/4 MNPT by 3/16 OD Push-to-Connect Elbow Flow Control
DEFV-4M14P	1/4 MNPT by 1/4 OD Push-to-Connect Elbow Flow Control
DEFV-4M516P	1/4 MNPT by 5/16 OD Push-to-Connect Elbow Flow Control
DEFV-4M38P	1/4 MNPT by 3/8 OD Push-to-Connect Elbow Flow Control
DEFV-4M12P	DEFV-4M12P 1/4 MNPT by 1/2 OD Push-to-Connect Elbow Flow Control
DEFV-6M316P	DEFV-6M316P 3/8 MNPT by 3/16 OD Push-to-Connect Elbow Flow Control
DEFV-6M14P	DEFV-6M14P 3/8 MNPT by 1/4 OD Push-to-Connect Elbow Flow Control
DEFV-6M516P	3/8 MNPT by 5/16 OD Push-to-Connect Elbow Flow Control
DEFV-6M38P	3/8 MNPT by 3/8 OD Push-to-Connect Elbow Flow Control
DEFV-6M12P	3/8 MNPT by 1/2 OD Push-to-Connect Elbow Flow Control
DEFV-8M516P	1/2 MNPT by 5/16 OD Push-to-Connect Elbow Flow Control
DEFV-8M38P	1/2 MNPT by 3/8 OD Push-to-Connect Elbow Flow Control



## PMFL SERIES

PMFL Series is a one-sided Bulkhead Elbow that is tank-mountable with a flange. It is available in Nylon, Black Nylon, Polypropylene, HDPE, and PVDF. UNF thread size is 5/16-24. The NPS sizes are 1/8" and 1/4". Barb sizes are: 1/16", 3/32", 1/8", 5/32", 3/16", 1/4". (order as NN, BN, PP, HDPE, PVDF)

SKU	DESCRIPTION
PMFL2M-1	1/8 NPS-L 1/16 Tank Flange Elbow
PMFL2M-2	1/8 NPS-L 1/8 Tank Flange Elbow
PMFL2M-332	1/8 NPS-L 3/32 Tank Flange Elbow
PMFL2M-3	1/8 NPS-L 3/16 Tank Flange Elbow
PMFL2M-4	1/8 NPS-L 1/4 Tank Flange Elbow
PMFL4M-1	1/4 NPS-L 1/16 Tank Flange Elbow
PMFL4M-2	1/4 NPS-L 1/8 Tank Flange Elbow
PMFL4M-332	1/4 NPS-L 3/32 Tank Flange Elbow
PMFL4M-3	1/4 NPS-L 3/16 Tank Flange Elbow
PMFL4M-4	1/4 NPS-L 1/4 Tank Flange Elbow
PMFL4M-532	1/4 NPS-L 5/32 Tank Flange Elbow
PMFL516-1	5/16-24L 1/16 Tank Flange Elbow
PMFL516-2	5/16-24L 1/8 Tank Flange Elbow

## PUE SERIES



The PUE Series is a composite Union Elbow made of a PBT body and a Buna-N seal. The working pressure is 150 psi and a temperature range of 32° F to 140° F.

SKU	DESCRIPTION
PUE-12P	1/2 PBT Elbow Push-to-Connect
PUE-14P	1/4 PBT Elbow Push-to-Connect
PUE-18P	1/8 PBT Elbow Push-to-Connect
PUE-316P	3/16 PBT Elbow Push-to-Connect
PUE-38P	3/8 PBT Elbow Push-to-Connect
PUE-5/16-P	5/16 PBT Elbow Push-to-Connect
PUE-532P	5/32 PBT Elbow Push-to-Connect
PUE-4MM-P	4 mm PBT Elbow Push-to-Connect
PUE-6MM-P	6 mm PBT Elbow Push-to-Connect

## PEM SERIES



Push-to-connect fitting is a male compact Swivel Elbow with a hex configuration. Working pressure 150 psi, the temperature range is 32° F to 140° F. Nickel Plated Brass, Buna-N O-ring, and the grip ring is Stainless Steel. For use with compressed air and inert gases. Long stem version available. SAE and G threads have an O-ring below the hex.

## FLLE-MSL SERIES



The FLLE-MSL Series is a Male-luer-to-female luer thread-style Elbow connector. Which is made of white & black Nylon, natural Polypropylene, clear Polycarbonate, & Radiation Stable Polycarbonate. Also, separate rotating lock rings are available.

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SKU	DESCRIPTION
FLLE-MSL	Male Luer to Female Thread Style Luer Elbow
FLLE-MSL-PP	Male Luer to Female Thread Style Luer Elbow Polypropylene

## FLLE- TSEC SERIES



The FLLE-TSEC Series is a Female luer thread-style Elbow connector that is engineered using a variety of high-quality materials. These connectors are available in Nylon, offering robust durability. In addition, they are crafted from natural Polypropylene, known for its chemical resistance and lightweight properties. Furthermore, the series includes connectors made from clear Polycarbonate, providing superior impact resistance and optical clarity. Lastly, the connectors are available in PVDF which is known for its high purity, strength, and resistance to solvents and acids. This material selection ensures that the FLLE-TSEC Series can meet a wide range of application requirements.

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SKU	DESCRIPTION
FLLE-WN	Female Luer Lock Elbow White Nylon
FLLE-NPP	Female Luer Lock Elbow Natural Polypropylene
FLLE-PC	Female Luer Lock Elbow Polycarbonate
FLLE-PVDF	Female Luer Lock Elbow PVDF

## MSLE SERIES



Male slip luer by barb Elbow. The barb accommodates 3/32" ID tubing. This luer may be used with a separate rotating lock ring. It is available in white and black Nylon, black Polypropylene, and clear Polycarbonate.

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SKU	DESCRIPTION
MSLE	Male Slip Luer Elbow by Barb



## NSE & NST SERIES

The NSE & NST Series is a brass male thread to barb Swivel Elbows and Tees. Once tightened, they can swivel to the desired position. They have fiber gaskets. Threads available are NPT and UNF.

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## MA SERIES - BITE-STYLE ADAPTER



Male NPT thread to Bite-Style barb Adapters in Brass and 303 Stainless. **The MA series are straight adapters** and **The ME series** are elbows.

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## BE & BER SERIES



The BE & BER Series is a 90° equal and reducing Brass Elbow connector with Bite-Style barbs. They are also available in 303 Stainless Steel.

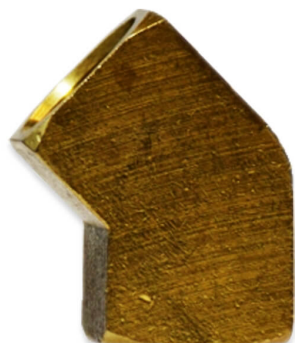
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## MEU SERIES



The MEU Series is a thread to Bite-Style Barb Brass male Elbow Adapter. Also available in 303 Stainless Steel.

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## BFE45° SERIES

The BFE45° Series is a 45° female NPT Brass elbow. It is available in 4 sizes and Barstock only. The temperature range for this elbow is -65° F to 250° F. Also the operating pressure is 1200 psi.

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SKU	DESCRIPTION
BFE45-2	1/8 FNPT 90° Brass Elbow Barstock
BFE45-4	1/4 FNPT 90° Brass Elbow Barstock
BFE45-6	3/8 FNPT 90° Brass Elbow Barstock
BFE45-8	1/2 FNPT 90° Brass Elbow Barstock



## SBE SERIES

304 Stainless Steel 90° female NPT Elbow. Also available in 316 Stainless.

SKU	DESCRIPTION
SBE-2F	1/8 FNPT 90° Elbow
SBE-4F	1/4 FNPT 90° Elbow
SBE-6F	3/8 FNPT 90° Elbow
SBE-8F	1/2 FNPT 90° Elbow
SBE-12F	3/4 FNPT 90° Elbow
SBE-16F	1 inch FNPT 90° Elbow
SBE-20F	1-1/4 inch FNPT 90° Elbow
SBE-24F	1-1/2 inch FNPT 90° Elbow
SBE-32F	2 inch FNPT 90° Elbow
SBE-40F	2-1/2 inch FNPT 90° Elbow
SBE-48F	3 inch FNPT 90° Elbow

## SBHE SERIES



The SBHE Series is 316 Stainless male NPT threads to barb 90° Elbow Adapter. Available MNPT thread sizes are 1/8 inch, 1/4 inch, 3/8 inch, and 1/2 inch. Available barb sizes are 1/4 inch, 3/8 inch, and 1/2 inch.

SKU	Description
SBHE-2M4B	1/8 inch MNPT by 1/4 inch 316 Stainless Steel Barbed 90° Elbow
SBHE-4M4B	1/4 inch MNPT by 1/4 inch 316 Stainless Steel Barbed 90° Elbow
SBHE-4M6B	1/4 inch MNPT by 3/8 inch 316 Stainless Steel Barbed 90° Elbow
SBHE-6M6B	3/8 inch MNPT by 3/8 inch 316 Stainless Steel Barbed 90° Elbow
SBHE-8M8B	1/2 inch MNPT by 1/2 inch 316 Stainless Steel Barbed 90° Elbow

## BCE SERIES



The BCE Series is a Sweep Elbow with bite-style barbs to hold the tubing securely and prevent slipping or pulling off. It is an excellent fitting to use with Polyurethane or Polyethylene tubing. It is made in Brass, Nickel-Plated Brass, or 303 Stainless.

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SKU	Description
BCE-170B	.170 inch Bite-Style Barb Brass Sweep Elbow
BCE-1B	1/16 inch Bite-Style Barb Brass Sweep Elbow
BCE-2B	1/8 inch Bite-Style Barb Brass Sweep Elbow
BCE-332B	3/32 inch Bite-Style Barb Brass Sweep Elbow
BCE-4B	1/4 inch Bite-Style Barb Brass Sweep Elbow
BCE-6B	3/8 inch Bite-Style Barb Brass Sweep Elbow

## BME SERIES



The BME Series is a 90° Brass forged Elbow, available in both equal and reducing sizes. Available Male NPT thread sizes are 1/8 inch, 1/4 inch, 3/8 inch, and 1/2 inch. The temperature range is -65° F to 250° F. The operating pressure is 1200 psi. They can be used for grease, fuels, refrigeration, and hydraulic applications. They meet ASA, ASME, and SAE specifications. Nickel-plated brass is available.

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SKU	Description
BME-2	1/8 MNPT Forged Brass Elbow NP
BME-4	1/4 MNPT Forged Brass Elbow NP
BME-6	3/8 MNPT Forged Brass Elbow NP
BME-8	1/2 MNPT Forged Brass Elbow NP
BME-8-4	1/2 MNPT by 1/4 MNPT Forged Elbow Reducer
BME-6-4	3/8 MNPT by 1/4 MNPT Forged Elbow Reducer
BME-8-6	3/8 MNPT by 1/4 MNPT Forged Elbow Reducer



## BSE45 SERIES

The BSE45 Series are 45° Brass Elbows available as both forged and barstock. The temperature range is -65° F to 250° F. The operating pressure is 1200 psi. They can be used for grease, fuels, refrigeration, and hydraulic applications. They meet ASA, ASME, and SAE specifications.

SKU	Description
BSE45-2M2F	1/8 MNPT by 1/8 FNPT Brass 45° Elbow B F
BSE45-4M4F	1/4 MNPT by 1/4 FNPT Brass 45° Elbow B F
BSE45-6M6F	3/8 MNPT by 3/8 FNPT Brass 45° Elbow B F
BSE45-8M8F	1/2 MNPT by 1/2 FNPT Brass 45° Elbow B
BSE45-12M12F	3/4 MNPT by 3/4 FNPT Brass 45° Elbow B

SKU	Description
BSE45-2M2F	1/8 MNPT by 1/8 FNPT Brass 45° Elbow B F
BSE45-4M4F	1/4 MNPT by 1/4 FNPT Brass 45° Elbow B F
BSE45-6M6F	3/8 MNPT by 3/8 FNPT Brass 45° Elbow B F
BSE45-8M8F	1/2 MNPT by 1/2 FNPT Brass 45° Elbow B
BSE45-12M12F	3/4 MNPT by 3/4 FNPT Brass 45° Elbow B



## BFE SERIES

90° Brass Elbow with female NPT threads. It is available in equal and reduced sizes. It is also available in Forged and Barstock. (As noted below in size list.)

Some sizes are also available in nickel plates.

SKU	Description
BFE-2	1/8 FNPT 90° Brass Elbow B F NP
BFE-4	1/4 FNPT 90° Brass Elbow B F NP
BFE-6	3/8 FNPT 90° Brass Elbow B F
BFE-8	1/2 FNPT 90° Brass Elbow B F
BFE-12	3/4 FNPT 90° Brass Elbow B F
BFE-1	1 inch FNPT 90° Brass Elbow F
BFE-4-2	1/4 FNPT by 1/8 FNPT 90° Brass Elbow Reducer F
BFE-6-4	3/8 FNPT by 1/4 FNPT 90° Brass Elbow Reducer F
BFE-8-6	1/2 FNPT by 3/8 FNPT 90° Brass Elbow Reducer F



## BHBE SERIES

The BHBE Series is a forged Brass multi-barbed 90° Elbow connector. Barb sizes range from 1/8 inch to 1/2 inch. The working temperature range is -40° F to 160° F. Maximum pressure rating is 150 psi. This fitting is designed to be used with a hose clamp.

SKU	Description
BHBE-4-2	1/4 inch by 1/8 inch Brass Multi-Barbed Reducing Elbow Connector
BHBE-4-4	1/4 inch by 1/4 inch Brass Multi-Barbed Elbow Connector
BHBE-5-5	5/16 inch by 5/16 inch Brass Multi-Barbed Elbow Connector
BHBE-6-2	3/8 inch by 1/8 inch Brass Multi-Barbed Reducing Elbow Connector
BHBE-6-4	3/8 inch by 1/4 inch Brass Multi-Barbed Reducing Elbow Connector
BHBE-6-6	3/8 inch by 3/8 inch Brass Multi-Barbed Elbow Connector
BHBE-8-4	1/2 inch by 1/4 inch Brass Multi-Barbed Reducing Elbow Connector
BHBE-8-6	1/2 inch by 3/8 inch Brass Multi-Barbed Reducing Elbow Connector
BHBE-8-8	1/2 inch by 1/2 inch Brass Multi-Barbed Elbow Connector



## BHME45 SERIES

The BHME45 Series is a Forged Brass multi-barbed 45° Elbow with male NPT threads. Flow can be equal or reduced. The temperature range is -40° F to 160° F and the working pressure is 150 psi. Furthermore, the Barstock is optional for the sizes shown below.

SKU	Description
BHME45-2M6B	1/8 inch MNPT by 3/8 inch Brass Multi-Barbed 45 Degree Elbow Adapter
BHME45-2M4B	1/8 inch MNPT by 1/4 inch Brass Multi-Barbed 45 Degree Elbow Adapter
BHME45-4M4B	1/4 inch MNPT by 1/4 inch Brass Multi-Barbed 45 Degree Elbow Adapter
BHME45-4M4B-B	1/4 inch MNPT by 1/4 inch Brass Multi-Barbed 45 Degree Barstock Elbow Adapter
BHME45-4M6B	1/4 inch MNPT by 3/8 inch Brass Multi-Barbed 45 Degree Elbow Adapter
BHME45-4M8B	1/4 inch MNPT by 1/2 inch Brass Multi-Barbed 45 Degree Elbow Adapter
BHME45-6M6B	3/8 inch MNPT by 3/8 inch Brass Multi-Barbed 45 Degree Elbow Adapter
BHME-456M8B	3/8 inch MNPT by 1/2 inch Brass Multi-Barbed 45 Degree Elbow Adapter
BHME-456M10B	3/8 inch MNPT by 5/8 inch Brass Multi-Barbed 45 Degree Elbow Adapter

## BHFE SERIES



The BHFE Series is a Brass 90° Elbow, Female NPT threads to multi-barb Adapter. Available FNPT sizes are 1/8 inch, 1/4 inch, and 3/8 inch. Available barb sizes are 1/4 inch, 5/16 inch, 3/8 inch, and 1/2 inch. The temperature range is -40° F to 160° F. The maximum working pressure is 150 psi. This fitting is intended for use with a hose clamp.

### SKU

### Description

BHFE-2F4B	1/8 inch FNPT by 1/4 inch Brass Multi-Barbed 90° Elbow Adapter
BHFE-2F5B	1/8 inch FNPT by 5/16 inch Brass Multi-Barbed 90° Elbow Adapter
BHFE-2F6B	1/8 inch FNPT by 3/8 inch Brass Multi-Barbed 90° Elbow Adapter
BHFE-4F4B	1/4 inch FNPT by 1/4 inch Brass Multi-Barbed 90° Elbow Adapter
BHFE-4F5B	1/4 inch FNPT by 5/16 inch Brass Multi-Barbed 90° Elbow Adapter
BHFE-4F6B	1/4 inch FNPT by 3/8 inch Brass Multi-Barbed 90° Elbow Adapter
BHFE-4F8B	1/4 inch FNPT by 1/2 inch Brass Multi-Barbed 90° Elbow Adapter
BHFE-6F4B	3/8 inch FNPT by 1/4 inch Brass Multi-Barbed 90° Elbow Adapter
BHFE-6F6B	3/8 inch FNPT by 3/8 inch Brass Multi-Barbed 90° Elbow Adapter
BHFE-6F8B	3/8 inch FNPT by 1/2 inch Brass Multi-Barbed 90° Elbow Adapter
BHFE-8F6B	1/2 inch FNPT by 3/8 inch Brass Multi-Barbed 90° Elbow Adapter

## BHME SERIES



The BHME Series is a forged Brass multi-barbed 90° Elbow Adapter with male NPT threads. Available MNPT thread sizes range from 1/8 inch to 1 inch. In addition, available barb sizes range from 3/16 inches to 3/4 inches. Flow can be equal or reduced. The working temperature range is -40° to 160° and the working pressure is 150 psi. Barstock is optional for some sizes (see list below).

### SKU

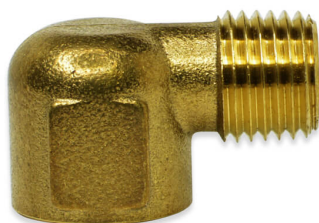
### Description

BHME-2M3B	1/8 MNPT by 3/16 Hose Barb Elbow Forged
BHME-2M4B	1/8 MNPT By 1/4 Hose Barb Elbow Forged B
BHME-2M5B	1/8 MNPT By 5/16 Hose Barb Elbow Forged
BHME-2M6B	1/8 MNPT By 3/8 Barb Elbow Forged



SKU	Description
BHME-38M18B-R2	3/8 MNPT By 1/8 Hose Barb Elbow Forged 2 Piece Unit
BHME-4M3B	1/4 MNPT by 3/16 Hose Barb Elbow Forged
BHME-4M4B	1/4 MNPT By 1/4 Hose Barb Elbow Forged B
BHME-4M5B	1/4 MNPT by 5/16 Hose Barb Elbow Forged
BHME-4M6B	1/4 MNPT by 3/8 Hose Barb Elbow Forged B
BHME-4M8B	1/4 MNPT By 1/2 Hose Barb Elbow Forged
BHME-6M4B-B	3/8 MNPT By 1/4 Hose Barb Elbow Barstock
BHME-6M5B	3/8 MNPT By 5/16 Hose Barb Elbow Forged
BHME-6M6B	3/8 MNPT By 3/8 Hose Barb Elbow Forged B
BHME-6M8B	3/8 MNPT By 1/2 Hose Barb Elbow Forged B
BHME-8M6B	1/2 MNPT By 3/8 Hose Barb Elbow Forged
BHME-8M8B	1/2 MNPT By 1/2 Hose Barb Elbow Forged
BHME-12M12B	3/4 MNPT by 3/4 Barb Elbow
BHME-16M12B	1 Inch MNPT by 3/4 Barb Elbow

## BSTE SERIES



The BSTE Series are 90° Brass Street Elbows, available as both forged and bar stock. The bar stock fitting is available in a short version. The forged is available as a reducer. Available MNPT and FNPT thread sizes are 1/8 inch, 1/4 inch, 3/8 inch, 1/2 inch, and 3/4 inch. The temperature range is -65° F to 250° F. The operating pressure is 1200 psi. They can be used for grease, fuels, refrigeration, and hydraulic applications. They meet ASA, ASME, and SAE specifications.

SKU	Description
BSTE-2-S-NP	1/8 inch NPT Nickel Plated Short Street Elbow
BSTE-2	1/8 inch MNPT by 1/8 inch FNPT Brass Street Elbow
BSTE-4	1/4 inch MNPT by 1/4 inch FNPT Brass Street Elbow
BSTE-6	3/8 inch MNPT by 3/8 inch FNPT Brass Street Elbow
BSTE-8	1/2 inch MNPT by 1/2 inch FNPT Brass Street Elbow
BSTE-12	3/4 inch MNPT by 3/4 inch FNPT Brass Street Elbow
BSTE-2M4F	1/8 inch MNPT by 1/4 inch FNPT Brass Street Elbow
BSTE-4M6F	1/4 inch MNPT by 3/8 inch FNPT Brass Street Elbow
BSTE-4M2F	1/4 inch MNPT by 1/8 inch FNPT Brass Street Elbow Reducer



## FMA SERIES

The FMA Series are Street Elbows and are available in Nylon or Black Polypropylene. Sizes range from 1/8 inch to 3/4 inch male and female NPT threads.

### SKU

### Description

FMA-18-NN	1/8 inch MNPT by 1/8 inch FNPT Natural Nylon Street Elbow
FMA-18-BPP	1/8 inch MNPT by 1/8 inch FNPT Black Black Polypropylene Street Elbow
FMA-38-NN	3/8 inch MNPT by 3/8 inch FNPT Natural Nylon Street Elbow
FMA-38-BPP	3/8 inch MNPT by 3/8 inch FNPT Black Polypropylene Street Elbow
FMA-12-NN	1/2 inch MNPT by 1/2 inch FNPT Natural Nylon Street Elbow
FMA-12-BPP	1/2 inch MNPT by 1/2 inch FNPT Black Polypropylene Street Elbow
FMA-34-NN	3/4 inch MNPT by 3/4 inch FNPT Natural Nylon Street Elbow
FMA-34-BPP	3/4 inch MNPT by 3/4 inch FNPT Black Polypropylene Street Elbow



## FEP45 SERIES

The FEP45 Series is a 45° Elbow pipe fitting made of Black Polypropylene with some sizes available in Natural Nylon (see list below). It has male and female NPT threads from 1/4 inch to 3 inches.

### SKU

### Description

FEP45-14-BPP	1/4 inch MNPT by 1/4 inch FNPT Black Polypropylene 45 Degree Pipe Elbow
FEP45-4M4F-NN	1/4 inch MNPT by 1/4 inch FNPT Natural Nylon 45 Degree Pipe Elbow
FEP45-8M8F-BPP	1/2 inch MNPT by 1/2 inch FNPT Black Polypropylene 45 Degree Pipe Elbow
FEP45-34-BPP	3/4 inch MNPT by 3/4 inch FNPT Black Polypropylene 45 Degree Pipe Elbow

SKU	Description
FEP45-34-NN	3/4 inch MNPT by 3/4 inch FNPT Natural Nylon 45 Degree Pipe Elbow
FEP45-16M16F-BPP	1 inch MNPT by 1 inch FNPT Black Polypropylene 45 Degree Pipe Elbow
FEP45-20M20F-BPP	1-1/4 inch MNPT by 1-1/4 inch FNPT Black Polypropylene 45 Degree Pipe Elbow
FEP45-24M24F-BPP	1-1/2 inch MNPT by 1-1/2 inch FNPT Black Polypropylene 45 Degree Pipe Elbow
FEP45-32M32F-BPP	2 inch MNPT by 2 inch FNPT Black Polypropylene 45 Degree Pipe Elbow
FEP45-48M48F-BPP	3 inch MNPT by 3 inch FNPT Black Polypropylene 45 Degree Pipe Elbow

## FFG SERIES



The FFG Series is a female NPT 90° Elbow pipe fitting made of Nylon and Black Polypropylene. Sizes range from 1/2 inch to 2 inches.

SKU	Description
FFG-12-BPP	1/2 inch FNPT Black Polypropylene Pipe Elbow
FFG-12-NN	1/2 inch FNPT Natural Nylon Pipe Elbow
FFG-34-BPP	3/4 inch FNPT Black Polypropylene Pipe Elbow
FFG-34-NN	3/4 inch FNPT Natural Nylon Pipe Elbow
FFG-1-NN	1 inch FNPT Natural Nylon Pipe Elbow
FFG-20-BPP	1-1/4 inch FNPT Black Polypropylene Pipe Elbow
FFG-20-NN	1-1/4 inch FNPT Natural Nylon Pipe Elbow
FFG-24-BPP	1-1/2 inch FNPT Black Polypropylene Pipe Elbow
FFG-24-NN	1-1/2 inch FNPT Natural Nylon Pipe Elbow
FFG-32-NN	2 inch FNPT Natural Nylon Pipe Elbow
FFG-1-BPP	2 inch FNPT Black Polypropylene Pipe Elbow

## DTP-S SERIES



The DTP-S Series fittings are in four-port elbow tee configurations. Included in this series is the **DTTP-S Series**, which is a six-port double tee configuration. Both series have single barbs with no parting line, and the barbs will expand tubing 50% above its normal size. In addition, the materials available are White Nylon and Natural Polypropylene. Furthermore, all the barbs on each fitting are equal to 1/16-inch, 3/32 inch, and 1/8 inch. These fittings are recommended for medical and laboratory environments.

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SKU	Description
DTP-S-1B	1/16 Single Barb Double Tee
DTP-S-2B	1/8 Single Barb Double Tee
DTP-S-332	3/32 Single Barb Double Tee
DTTP-S-1B	1/16 Single Barb Quad Tee
DTTP-S-2B	1/8 Single Barb Quad Tee
DTTP-S-332B	3/32 Single Barb Quad Tee

## AML-S SERIES



AML-S Series are Male NPT threads by single barbed Elbow Adapters. Available materials are White and Black Nylon, and Natural Polypropylene. There is no parting line on the barb. The male NPT thread size is 1/8 inch and the barb sizes are 1/16 inch, 1/8 inch, 3/32 inch, 3/16 inch, and 1/4 inch.

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SKU	Description
AML-S-2M1B-BN	1/8 inch MNPT by 1/16 inch Black Nylon
AML-S-2M1B-NPP	1/8 inch MNPT by 1/16 inch Natural Polypropylene
AML-S-2M1B-WN	1/8 inch MNPT by 1/16 inch White Nylon
AML-S-2M332B-BN	1/8 inch MNPT by 3/32 inch Black Nylon
AML-S-2M332B-NPP	1/8 inch MNPT by 3/32 inch Natural Polypropylene
AML-S-2M332B-WN	1/8 inch MNPT by 3/32 inch White Nylon
AML-S-2M2B-BN	1/8 inch MNPT by 1/8 inch Black Nylon
AML-S-2M2B-NPP	1/8 inch MNPT by 1/8 inch Natural Polypropylene

SKU	Description
AML-S-2M2B-WN	1/8 inch MNPT by 1/8 inch White Nylon
AML-S-2M3B-BN	1/8 inch MNPT by 3/16 inch Black Nylon
AML-S-2M3B-NPP	1/8 inch MNPT by 3/16 inch Natural Polypropylene
AML-S-2M3B-WN	1/8 inch MNPT by 3/16 inch White Nylon
AML-S-2M4B-BN	1/8 inch MNPT by 1/4 inch Black Nylon
AML-S-2M4B-NPP	1/8 inch MNPT by 1/4 inch Natural Polypropylene
AML-S-2M4B-WN	1/8 inch MNPT by 1/4 inch White Nylon

## ALS-IG SERIES



The ALS-IG Series Swivel Adapter Elbow allows tubing to be rotated 360° into position without crimping. These Swivel Elbows are made of Black Nylon. The male threads are 10-32 inch UNF or 1/8 inch and 1/4 inch male NPT. The barb sizes are 1/16 inch, 3/32 inch, and 1/8 inch. The 10-32 inch UNF threads are self-sealing, and the 1/8 inch and 1/4 inch threads seal with a Buna-N, EPDM, or Viton® O-Ring. The working pressure is 125 psi and the working temperature range is -50° F to 180° F.

SKU	Description
ALS-IG-10X1B	10-32 inch Male UNF by 1/16 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-10X332B	10-32 inch Male UNF by 3/32 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-10X2B	10-32 inch Male UNF by 1/8 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-2MX1B	1/8 inch MNPT by 1/16 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-2MX332B	1/8 inch MNPT by 3/32 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-2MX2B	1/8 inch MNPT by 1/8 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-4MX1B	1/4 inch MNPT by 1/16 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-4MX332B	1/4 inch MNPT by 3/32 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-4MX2B	1/4 inch MNPT by 1/8 inch Black Nylon Single Barbed Elbow Swivel



## AL-I SERIES

AL-I Series is an industrial male NPT thread by single barb Elbow Adapter. The three available sizes are 1/8 inch MNPT by 1/8 inch barb in Polypropylene, 1/8 inch MNPT by 3/16 inch barb in Natural Nylon, and 1/8 inch MNPT by 1/4 inch barb in Natural Nylon.

### SKU

### Description

AL-I-2M2B-PP 1/8 inch MNPT by 1/8 inch Polypropylene Single Barbed Adapter

AL-I-2M3B-NN 1/8 inch MNPT by 3/16 inch Natural Nylon Single Barbed Adapter

AL-I-2M4B-NN 1/8 inch MNPT by 1/4 inch Natural Nylon Single Barbed Adapter



## AL-R SERIES

AL-R Series standard Elbow Adapters have male NPT threads of 1/8 inch, 1/4 inch, 3/8 inch, 1/2 inch, 3/4 inch, and 1 inch. The single barb sizes range from 1/8 inch to 1 inch. This adapter is available in Natural, White, and Black Nylon, Glass-Filled Black Nylon, Natural and White Polypropylene, Natural and Gray PVDF, and High-Density Polyethylene. BSPT threads are also available. Material availability may vary with size.

### SKU

### Description

AL-R-2M2B-NN 1/8 inch MNPT by 1/8 inch Natural Nylon Single Barbed Adapter

AL-R-2M2B-WN 1/8 inch MNPT by 1/8 inch White Nylon Single Barbed Adapter

AL-R-2M2B-NPP 1/8 inch MNPT by 1/8 inch Natural Polypropylene Single Barbed Adapter

AL-R-2M2B-WPP 1/8 inch MNPT by 1/8 inch White Polypropylene Single Barbed Adapter

AL-R-2M2B-PVDF 1/8 inch MNPT by 1/8 inch PVDF Single Barbed Adapter

AL-R-2M2B-PVDFG 1/8 inch MNPT by 1/8 inch Gray PVDF Single Barbed Adapter

AL-R-2M4B-AC 1/8 inch MNPT by 1/4 inch Acetal Single Barbed Adapter

AL-R-2M4B-NN 1/8 inch MNPT by 1/4 inch Natural Nylon Single Barbed Adapter

AL-R-2M4B-WN 1/8 inch MNPT by 1/4 inch White Nylon Single Barbed Adapter

SKU	Description
AL-R-2M4B-BN	1/8 inch MNPT by 1/4 inch Black Nylon Single Barbed Adapter
AL-R-2M4B-GFBN	1/8 inch MNPT by 1/4 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-2M4B-NPP	1/8 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Adapter
AL-R-2M4B-WPP	1/8 inch MNPT by 1/4 inch White Polypropylene Single Barbed Adapter
AL-R-2M4B-PVDF	1/8 inch MNPT by 1/4 inch PVDF Single Barbed Adapter
AL-R-2M4B-PVDFG	1/8 inch MNPT by 1/4 inch Gray PVDF Single Barbed Adapter
AL-R-2M4B-HDPE	1/8 inch MNPT by 1/4 inch Gray High-Density Polyethylene Single Barbed Adapter
AL-R-2M532B-NN	1/8 inch MNPT by 5/32 inch Natural Nylon Single Barbed Adapter
AL-R-2M532B-WN	1/8 inch MNPT by 5/32 inch White Nylon Single Barbed Adapter
AL-R-2M532B-BN	1/8 inch MNPT by 5/32 inch Black Nylon Single Barbed Adapter
AL-R-2M532B-GFBN	1/8 inch MNPT by 5/32 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-2M532B-NPP	1/8 inch MNPT by 5/32 inch Natural Polypropylene Single Barbed Adapter
AL-R-2M532B-WPP	1/8 inch MNPT by 5/32 inch White Polypropylene Single Barbed Adapter
AL-R-2M532B-PVDF	1/8 inch MNPT by 5/32 inch PVDF Single Barbed Adapter
AL-R-2M532B-PVDFG	1/8 inch MNPT by 5/32 inch Gray PVDF Single Barbed Adapter
AL-R-2M532B-HDPE	1/8 inch MNPT by 5/32 inch High-Density Polyethylene Single Barbed Adapter
AL-R-2M5B-NN	1/8 inch MNPT by 5/16 inch Natural Nylon Single Barbed Adapter
AL-R-2M5B-WN	1/8 inch MNPT by 5/16 inch White Nylon Single Barbed Adapter
AL-R-2M5B-BN	1/8 inch MNPT by 5/16 inch Black Nylon Single Barbed Adapter
AL-R-2M5B-GFBN	1/8 inch MNPT by 5/16 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-2M5B-NPP	1/8 inch MNPT by 5/16 inch Natural Polypropylene Single Barbed Adapter
AL-R-2M5B-WPP	1/8 inch MNPT by 5/16 inch White Polypropylene Single Barbed Adapter
AL-R-2M5B-PVDF	1/8 inch MNPT by 5/16 inch PVDF Single Barbed Adapter
AL-R-2M5B-PVDFG	1/8 inch MNPT by 5/16 inch Gray PVDF Single Barbed Adapter
AL-R-2M5B-HDPE	1/8 inch MNPT by 5/16 inch High-Density Polyethylene Single Barbed Adapter
AL-R-2M6B-NN	1/8 inch MNPT by 3/8 inch Natural Nylon Single Barbed Adapter
AL-R-2M6B-WN	1/8 inch MNPT by 3/8 inch White Nylon Single Barbed Adapter
AL-R-2M6B-BN	1/8 inch MNPT by 3/8 inch Black Nylon Single Barbed Adapter
AL-R-2M6B-GFBN	1/8 inch MNPT by 3/8 inch Glass-Filled Black Nylon Single Barbed Adapter

SKU	Description
AL-R-2M6B-NPP	1/8 inch MNPT by 3/8 inch Natural Polypropylene Single Barbed Adapter
AL-R-2M6B-WPP	1/8 inch MNPT by 3/8 inch White Polypropylene Single Barbed Adapter
AL-R-2M6B-PVDF	1/8 inch MNPT by 3/8 inch PVDF Single Barbed Adapter
AL-R-2M6B-PVDFG	1/8 inch MNPT by 3/8 inch Gray PVDF Single Barbed Adapter
AL-R-2M6B-HDPE	1/8 inch MNPT by 3/8 inch Polyethylene Single Barbed Adapter
AL-R-4M2B-NN	1/4 inch MNPT by 1/8 inch Natural Nylon Single Barbed Adapter
AL-R-4M2B-WN	1/4 inch MNPT by 1/8 inch White Nylon Single Barbed Adapter
AL-R-4M2B-BN	1/4 inch MNPT by 1/8 inch Black Nylon Single Barbed Adapter
AL-R-4M2B-GFBN	1/4 inch MNPT by 1/8 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-4M2B-NPP	1/4 inch MNPT by 1/8 inch Natural Polypropylene Single Barbed Adapter
AL-R-4M2B-WPP	1/4 inch MNPT by 1/8 inch White Polypropylene Single Barbed Adapter
AL-R-4M2B-PVDF	1/4 inch MNPT by 1/8 inch PVDF Single Barbed Adapter
AL-R-4M2B-PVDFG	1/4 inch MNPT by 1/8 inch Gray PVDF Single Barbed Adapter
AL-R-4M2B-HDPE	1/4 inch MNPT by 1/8 inch High-Density Polyethylene Single Barbed Adapter
AL-R-4M3B-NN	1/4 inch MNPT by 3/16 inch Natural Nylon Single Barbed Adapter
AL-R-4M3B-WN	1/4 inch MNPT by 3/16 inch White Nylon Single Barbed Adapter
AL-R-4M3B-BN	1/4 inch MNPT by 3/16 inch Black Nylon Single Barbed Adapter
AL-R-4M3B-GFBN	1/4 inch MNPT by 3/16 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-4M3B-NPP	1/4 inch MNPT by 3/16 inch Natural Polypropylene Single Barbed Adapter
AL-R-4M3B-WPP	1/4 inch MNPT by 3/16 inch White Polypropylene Single Barbed Adapter
AL-R-4M3B-PVDF	1/4 inch MNPT by 3/16 inch PVDF Single Barbed Adapter
AL-R-4M3B-PVDFG	1/4 inch MNPT by 3/16 inch Gray PVDF Single Barbed Adapter
AL-R-4M3B-HDPE	1/4 inch MNPT by 3/16 inch High-Density Polyethylene Single Barbed Adapter
AL-R-4M4B-NN	1/4 inch MNPT by 1/4 inch Natural Nylon Single Barbed Adapter
AL-R-4M4B-WN	1/4 inch MNPT by 1/4 inch White Nylon Single Barbed Adapter
AL-R-4M4B-BN	1/4 inch MNPT by 1/4 inch Black Nylon Single Barbed Adapter
AL-R-4M4B-GFBN	1/4 inch MNPT by 1/4 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-4M4B-NPP	1/4 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Adapter
AL-R-4M4B-WPP	1/4 inch MNPT by 1/4 inch White Polypropylene Single Barbed Adapter
AL-R-4M4B-PVDF	1/4 inch MNPT by 1/4 inch PVDF Single Barbed Adapter



SKU	Description
AL-R-4M4B-PVDFG	1/4 inch MNPT by 1/4 inch Gray PVDF Single Barbed Adapter
AL-R-4M4B-HDPE	1/4 inch MNPT by 1/4 inch High-Density Polyethylene Single Barbed Adapter
AL-R-4M532-NN	1/4 inch MNPT by 5/32 inch Natural Nylon Single Barbed Adapter
AL-R-4M532-WN	1/4 inch MNPT by 5/32 inch White Nylon Single Barbed Adapter
AL-R-4M532-BN	1/4 inch MNPT by 5/32 inch Black Nylon Single Barbed Adapter
AL-R-4M532-GFBN	1/4 inch MNPT by 5/32 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-4M532-NPP	1/4 inch MNPT by 5/32 inch Natural Polypropylene Single Barbed Adapter
AL-R-4M532-WPP	1/4 inch MNPT by 5/32 inch White Polypropylene Single Barbed Adapter
AL-R-4M532-PVDF	1/4 inch MNPT by 5/32 inch PVDF Single Barbed Adapter
AL-R-4M532-PVDFG	1/4 inch MNPT by 5/32 inch Gray PVDF Single Barbed Adapter
AL-R-4M532-HDPE	1/4 inch MNPT by 5/32 inch High-Density Polyethylene Single Barbed Adapter
AL-R-4M5B-NN	1/4 inch MNPT by 5/16 inch Natural Nylon Single Barbed Adapter
AL-R-4M5B-WN	1/4 inch MNPT by 5/16 inch White Nylon Single Barbed Adapter
AL-R-4M5B-BN	1/4 inch MNPT by 5/16 inch Black Nylon Single Barbed Adapter
AL-R-4M5B-GFBN	1/4 inch MNPT by 5/16 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-4M5B-NPP	1/4 inch MNPT by 5/16 inch Natural Polypropylene Single Barbed Adapter
AL-R-4M5B-WPP	1/4 inch MNPT by 5/16 inch White Polypropylene Single Barbed Adapter
AL-R-4M5B-PVDF	1/4 inch MNPT by 5/16 inch PVDF Single Barbed Adapter
AL-R-4M5B-PVDFG	1/4 inch MNPT by 5/16 inch Gray PVDF Single Barbed Adapter
AL-R-4M5B-HDPE	1/4 inch MNPT by 5/16 inch High-Density Polyethylene Single Barbed Adapter
AL-R-4M6B-BN	1/4 inch MNPT by 3/8 inch Black Nylon Single Barbed Adapter
AL-R-4M6B-GFBN	1/4 inch MNPT by 3/8 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-4M8B-NN	1/4 inch MNPT by 1/2 inch Natural Nylon Single Barbed Adapter
AL-R-4M8B-WN	1/4 inch MNPT by 1/2 inch White Nylon Single Barbed Adapter
AL-R-4M8B-BN	1/4 inch MNPT by 1/2 inch Black Nylon Single Barbed Adapter
AL-R-4M8B-GFBN	1/4 inch MNPT by 1/2 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-4M8B-NPP	1/4 inch MNPT by 1/2 inch Natural Polypropylene Single Barbed Adapter
AL-R-4M8B-WPP	1/4 inch MNPT by 1/2 inch White Polypropylene Single Barbed Adapter
AL-R-4M8B-PVDF	1/4 inch MNPT by 1/2 inch PVDF Single Barbed Adapter

SKU	Description
AL-R-4M8B-PVDFG	1/4 inch MNPT by 1/2 inch Gray PVDF Single Barbed Adapter
AL-R-4M8B-HDPE	1/4 inch MNPT by 1/2 inch High-Density Polyethylene Single Barbed Adapter
AL-R-6M4B-NN	3/8 inch MNPT by 1/4 inch Natural Nylon Single Barbed Adapter
AL-R-6M4B-WN	3/8 inch MNPT by 1/4 inch White Nylon Single Barbed Adapter
AL-R-6M4B-BN	3/8 inch MNPT by 1/4 inch Black Nylon Single Barbed Adapter
AL-R-6M4B-GFBN	3/8 inch MNPT by 1/4 inch Natural Glass-Filled Black Nylon Single Barbed Adapter
AL-R-6M4B-NPP	3/8 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Adapter
AL-R-6M4B-WPP	3/8 inch MNPT by 1/4 inch White Polypropylene Single Barbed Adapter
AL-R-6M4B-PVDF	3/8 inch MNPT by 1/4 inch PVDF Single Barbed Adapter
AL-R-6M4B-PVDFG	3/8 inch MNPT by 1/4 inch Gray PVDF Single Barbed Adapter
AL-R-6M4B-HDPE	3/8 inch MNPT by 1/4 inch High-Density Polyethylene Single Barbed Adapter
AL-R-6M5B-NN	3/8 inch MNPT by 5/16 inch Natural Nylon Single Barbed Adapter
AL-R-6M5B-WN	3/8 inch MNPT by 5/16 inch White Nylon Single Barbed Adapter
AL-R-6M5B-BN	3/8 inch MNPT by 5/16 inch Black Nylon Single Barbed Adapter
AL-R-6M5B-GFBN	3/8 inch MNPT by 5/16 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-6M5B-NPP	3/8 inch MNPT by 5/16 inch Natural Polypropylene Single Barbed Adapter
AL-R-6M5B-WPP	3/8 inch MNPT by 5/16 inch White Polypropylene Single Barbed Adapter
AL-R-6M5B-PVDF	3/8 inch MNPT by 5/16 inch PVDF Single Barbed Adapter
AL-R-6M5B-PVDFG	3/8 inch MNPT by 5/16 inch Gray PVDF Single Barbed Adapter
AL-R-6M5B-HDPE	3/8 inch MNPT by 5/16 inch High-Density Polyethylene Single Barbed Adapter
AL-R-6M6B-NN	3/8 NPT by 3/8 Barb Elbow Natural Nylon Single Barbed Adapter
AL-R-6M6B-WN	3/8 NPT by 3/8 Barb Elbow White Nylon Single Barbed Adapter
AL-R-6M6B-BN	3/8 NPT by 3/8 Barb Elbow Black Nylon Single Barbed Adapter
AL-R-6M6B-GFBN	3/8 NPT by 3/8 Barb Elbow Glass-Filled Black Nylon Single Barbed Adapter
AL-R-6M6B-NPP	3/8 NPT by 3/8 Barb Elbow Natural Polypropylene Single Barbed Adapter
AL-R-6M6B-WPP	3/8 NPT by 3/8 Barb Elbow White Polypropylene Single Barbed Adapter
AL-R-6M6B-PVDF	3/8 NPT by 3/8 Barb Elbow PVDF Single Barbed Adapter
AL-R-6M6B-PVDFG	3/8 NPT by 3/8 Barb Elbow Gray PVDF Single Barbed Adapter
AL-R-6M6B-HDPE	3/8 NPT by 3/8 Barb Elbow High-Density Polyethylene Single Barbed Adapter

SKU	Description
AL-R-6M8B-NN	3/8 inch MNPT by 1/2 inch Natural Nylon Single Barbed Adapter
AL-R-6M8B-WN	3/8 inch MNPT by 1/2 inch White Nylon Single Barbed Adapter
AL-R-6M8B-BN	3/8 inch MNPT by 1/2 inch Black Nylon Single Barbed Adapter
AL-R-6M8B-GFBN	3/8 inch MNPT by 1/2 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-6M8B-NPP	3/8 inch MNPT by 1/2 inch Natural Polypropylene Single Barbed Adapter
AL-R-6M8B-WPP	3/8 inch MNPT by 1/2 inch White Polypropylene Single Barbed Adapter
AL-R-6M8B-PVDF	3/8 inch MNPT by 1/2 inch PVDF Single Barbed Adapter
AL-R-6M8B-PVDFG	3/8 inch MNPT by 1/2 inch Gray PVDF Single Barbed Adapter
AL-R-6M8B-HDPE	3/8 inch MNPT by 1/2 inch High-Density Polyethylene Single Barbed Adapter
AL-R-8M4B-NN	1/2 inch MNPT by 1/4 inch Natural Nylon Single Barbed Adapter
AL-R-8M4B-WN	1/2 inch MNPT by 1/4 inch White Nylon Single Barbed Adapter
AL-R-8M4B-BN	1/2 inch MNPT by 1/4 inch Black Nylon Single Barbed Adapter
AL-R-8M4B-GFBN	1/2 inch MNPT by 1/4 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-8M4B-NPP	1/2 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Adapter
AL-R-8M4B-WPP	1/2 inch MNPT by 1/4 inch White Polypropylene Single Barbed Adapter
AL-R-8M4B-PVDF	1/2 inch MNPT by 1/4 inch PVDF Single Barbed Adapter
AL-R-8M4B-PVDFG	1/2 inch MNPT by 1/4 inch Gray PVDF Single Barbed Adapter
AL-R-8M4B-HDPE	1/2 inch MNPT by 1/4 inch High-Density Polyethylene Single Barbed Adapter
AL-R-8M6B-NN	1/2 inch MNPT by 3/8 inch Natural Nylon Single Barbed Adapter
AL-R-8M6B-WN	1/2 inch MNPT by 3/8 inch White Nylon Single Barbed Adapter
AL-R-8M6B-BN	1/2 inch MNPT by 3/8 inch Black Nylon Single Barbed Adapter
AL-R-8M6B-GFBN	1/2 inch MNPT by 3/8 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-8M6B-NPP	1/2 inch MNPT by 3/8 inch Natural Polypropylene Single Barbed Adapter
AL-R-8M6B-WPP	1/2 inch MNPT by 3/8 inch White Polypropylene Single Barbed Adapter
AL-R-8M6B-PVDF	1/2 inch MNPT by 3/8 inch PVDF Single Barbed Adapter
AL-R-8M6B-PVDFG	1/2 inch MNPT by 3/8 inch Gray PVDF Single Barbed Adapter
AL-R-8M6B-HDPE	1/2 inch MNPT by 3/8 inch High-Density Polyethylene Single Barbed Adapter
AL-R-8M8B-NN	1/2 inch MNPT by 1/2 inch Natural Nylon Single Barbed Adapter
AL-R-8M8B-WN	1/2 inch MNPT by 1/2 inch White Nylon Single Barbed Adapter
AL-R-8M8B-BN	1/2 inch MNPT by 1/2 inch Black Nylon Single Barbed Adapter

SKU	Description
AL-R-8M8B-GFBN	1/2 inch MNPT by 1/2 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-8M8B-NPP	1/2 inch MNPT by 1/2 inch Natural Polypropylene Single Barbed Adapter
AL-R-8M8B-WPP	1/2 inch MNPT by 1/2 inch White Polypropylene Single Barbed Adapter
AL-R-8M8B-PVDF	1/2 inch MNPT by 1/2 inch PVDF Single Barbed Adapter
AL-R-8M8B-PVDFG	1/2 inch MNPT by 1/2 inch Gray PVDF Single Barbed Adapter
AL-R-8M8B-HDPE	1/2 inch MNPT by 1/2 inch High-Density Polyethylene Single Barbed Adapter
AL-R-8M10B-NN	1/2 inch MNPT by 5/8 inch Natural Nylon Single Barbed Adapter
AL-R-8M10B-WN	1/2 inch MNPT by 5/8 inch White Nylon Single Barbed Adapter
AL-R-8M10B-BN	1/2 inch MNPT by 5/8 inch Black Nylon Single Barbed Adapter
AL-R-8M10B-GFBN	1/2 inch MNPT by 5/8 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-8M10B-NPP	1/2 inch MNPT by 5/8 inch Natural Polypropylene Single Barbed Adapter
AL-R-8M10B-WPP	1/2 inch MNPT by 5/8 inch White Polypropylene Single Barbed Adapter
AL-R-8M10B-PVDF	1/2 inch MNPT by 5/8 inch PVDF Single Barbed Adapter
AL-R-8M10B-PVDFG	1/2 inch MNPT by 5/8 inch Gray PVDF Single Barbed Adapter
AL-R-8M10B-HDPE	1/2 inch MNPT by 5/8 inch High-Density Polyethylene Single Barbed Adapter
AL-R-8M12B-NN	1/2 inch MNPT by 3/4 inch Natural Nylon Single Barbed Adapter
AL-R-8M12B-WN	1/2 inch MNPT by 3/4 inch White Nylon Single Barbed Adapter
AL-R-8M12B-BN	1/2 inch MNPT by 3/4 inch Black Nylon Single Barbed Adapter
AL-R-8M12B-GFBN	1/2 inch MNPT by 3/4 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-8M12B-NPP	1/2 inch MNPT by 3/4 inch Natural Polypropylene Single Barbed Adapter
AL-R-8M12B-WPP	1/2 inch MNPT by 3/4 inch White Polypropylene Single Barbed Adapter
AL-R-8M12B-PVDF	1/2 inch MNPT by 3/4 inch PVDF Single Barbed Adapter
AL-R-8M12B-PVDFG	1/2 inch MNPT by 3/4 inch Gray PVDF Single Barbed Adapter
AL-R-8M12B-HDPE	1/2 inch MNPT by 3/4 inch High-Density Polyethylene Single Barbed Adapter
AL-R-12M4B-NN	3/4 inch MNPT by 1/4 inch Natural Nylon Single Barbed Adapter
AL-R-12M4B-WN	3/4 inch MNPT by 1/4 inch White Nylon Single Barbed Adapter
AL-R-12M4B-BN	3/4 inch MNPT by 1/4 inch Black Nylon Single Barbed Adapter
AL-R-12M4B-GFBN	3/4 inch MNPT by 1/4 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-12M4B-NPP	3/4 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Adapter

SKU	Description
AL-R-12M4B-WPP	3/4 inch MNPT by 1/4 inch White Polypropylene Single Barbed Adapter
AL-R-12M4B-PVDF	3/4 inch MNPT by 1/4 inch PVDF Single Barbed Adapter
AL-R-12M4B-PVDFG	3/4 inch MNPT by 1/4 inch Gray PVDF Single Barbed Adapter
AL-R-12M4B-HDPE	3/4 inch MNPT by 1/4 inch High-Density Polyethylene Single Barbed Adapter
AL-R-12M6B-NN	3/4 inch MNPT by 3/8 inch Natural Nylon Single Barbed Adapter
AL-R-12M6B-WN	3/4 inch MNPT by 3/8 inch White Nylon Single Barbed Adapter
AL-R-12M6B-BN	3/4 inch MNPT by 3/8 inch Black Nylon Single Barbed Adapter
AL-R-12M6B-GFBN	3/4 inch MNPT by 3/8 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-12M6B-NPP	3/4 inch MNPT by 3/8 inch Natural Polypropylene Single Barbed Adapter
AL-R-12M6B-WPP	3/4 inch MNPT by 3/8 inch White Polypropylene Single Barbed Adapter
AL-R-12M6B-PVDF	3/4 inch MNPT by 3/8 inch PVDF Single Barbed Adapter
AL-R-12M6B-PVDFG	3/4 inch MNPT by 3/8 inch Gray PVDF Single Barbed Adapter
AL-R-12M6B-HDPE	3/4 inch MNPT by 3/8 inch High-Density Polyethylene Single Barbed Adapter
AL-R-12M8B-NN	3/4 inch MNPT by 1/2 inch Natural Nylon Single Barbed Adapter
AL-R-12M8B-WN	3/4 inch MNPT by 1/2 inch White Nylon Single Barbed Adapter
AL-R-12M8B-BN	3/4 inch MNPT by 1/2 inch Black Nylon Single Barbed Adapter
AL-R-12M8B-GFBN	3/4 inch MNPT by 1/2 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-12M8B-NPP	3/4 inch MNPT by 1/2 inch Natural Polypropylene Single Barbed Adapter
AL-R-12M8B-WPP	3/4 inch MNPT by 1/2 inch White Polypropylene Single Barbed Adapter
AL-R-12M8B-PVDF	3/4 inch MNPT by 1/2 inch PVDF Single Barbed Adapter
AL-R-12M8B-PVDFG	3/4 inch MNPT by 1/2 inch Gray PVDF Single Barbed Adapter
AL-R-12M8B-HDPE	3/4 inch MNPT by 1/2 inch High-Density Polyethylene Single Barbed Adapter
AL-R-12M10B-NN	3/4 inch MNPT by 5/8 inch Natural Nylon Single Barbed Adapter
AL-R-12M10B-WN	3/4 inch MNPT by 5/8 inch White Nylon Single Barbed Adapter
AL-R-12M10B-BN	3/4 inch MNPT by 5/8 inch Black Nylon Single Barbed Adapter
AL-R-12M10B-GFBN	3/4 inch MNPT by 5/8 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-12M10B-NPP	3/4 inch MNPT by 5/8 inch Natural Polypropylene Single Barbed Adapter
AL-R-12M10B-WPP	3/4 inch MNPT by 5/8 inch White Polypropylene Single Barbed Adapter
AL-R-12M10B-PVDF	3/4 inch MNPT by 5/8 inch PVDF Single Barbed Adapter
AL-R-12M10B-PVDFG	3/4 inch MNPT by 5/8 inch Gray PVDF Single Barbed Adapter

SKU	Description
AL-R-12M10B-HDPE	3/4 inch MNPT by 5/8 inch High-Density Polyethylene Single Barbed Adapter
AL-R-12M12B-NN	3/4 inch MNPT by 3/4 inch Natural Nylon Single Barbed Adapter
AL-R-12M12B-WN	3/4 inch MNPT by 3/4 inch White Nylon Single Barbed Adapter
AL-R-12M12B-BN	3/4 inch MNPT by 3/4 inch Black Nylon Single Barbed Adapter
AL-R-12M12B-GFBN	3/4 inch MNPT by 3/4 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-12M12B-NPP	3/4 inch MNPT by 3/4 inch Natural Polypropylene Single Barbed Adapter
AL-R-12M12B-WPP	3/4 inch MNPT by 3/4 inch White Polypropylene Single Barbed Adapter
AL-R-12M12B-PVDF	3/4 inch MNPT by 3/4 inch PVDF Single Barbed Adapter
AL-R-12M12B-PVDFG	3/4 inch MNPT by 3/4 inch Gray PVDF Single Barbed Adapter
AL-R-12M12B-HDPE	3/4 inch MNPT by 3/4 inch High-Density Polyethylene Single Barbed Adapter
AL-R-12M16B-NN	3/4 inch MNPT by 1 inch Natural Nylon Single Barbed Adapter
AL-R-12M16B-WN	3/4 inch MNPT by 1 inch White Nylon Single Barbed Adapter
AL-R-12M16B-BN	3/4 inch MNPT by 1 inch Black Nylon Single Barbed Adapter
AL-R-12M16B-GFBN	3/4 inch MNPT by 1 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-12M16B-NPP	3/4 inch MNPT by 1 inch Natural Polypropylene Single Barbed Adapter
AL-R-12M16B-WPP	3/4 inch MNPT by 1 inch White Polypropylene Single Barbed Adapter
AL-R-12M16B-PVDF	3/4 inch MNPT by 1 inch PVDF Single Barbed Adapter
AL-R-12M16B-PVDFG	3/4 inch MNPT by 1 inch Gray PVDF Single Barbed Adapter
AL-R-12M16B-HDPE	3/4 inch MNPT by 1 inch High-Density Polyethylene Single Barbed Adapter
AL-R-16M16B-NN	1 inch MNPT by 1 inch Natural Nylon Single Barbed Adapter
AL-R-16M16B-WN	1 inch MNPT by 1 inch White Nylon Single Barbed Adapter
AL-R-16M16B-BN	1 inch MNPT by 1 inch Black Nylon Single Barbed Adapter
AL-R-16M16B-GFBN	1 inch MNPT by 1 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-16M16B-NPP	1 inch MNPT by 1 inch Natural Polypropylene Single Barbed Adapter
AL-R-16M16B-WPP	1 inch MNPT by 1 inch White Polypropylene Single Barbed Adapter
AL-R-16M16B-PVDF	1 inch MNPT by 1 inch PVDF Single Barbed Adapter
AL-R-16M16B-PVDFG	1 inch MNPT by 1 inch Gray PVDF Single Barbed Adapter
AL-R-16M16B-HDPE	1 inch MNPT by 1 inch High-Density Polyethylene Single Barbed Adapter



## AL-S SERIES

The AL-S Series is a male UNF threaded elbow adapter and is available in White and Black Nylon, Natural and Black Polypropylene, and Natural PVDF. Available in 10-32 inch UNF straight and tapered threads, and the barb sizes are 1/16 inch, 3/32 inch, and 1/8 inch.

SKU	Description
AL-S-101B	10-32 by 1/16 Barb Elbow
AL-S-102B	10-32 by 1/8 Barb Elbow
AL-S-10332B	10-32 by 3/32 Barb Elbow
AL-S-10T1B	10-32 Taper by 1/16 Barb Elbow
AL-S-10T2B	10-32 Taper by 1/8 Barb Elbow
AL-S-10T332B	10-32 Taper by 3/32 Barb Elbow

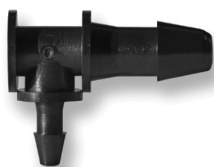


## EV SERIES

The EV Series are single barbed tube-to-tube elbows. These elbows are available in White and Black Nylon, Natural Polypropylene, Clear Polycarbonate, and PVDF. These elbows are available in equal or reduced sizes. Barb sizes are 1/16 inch, 1/8 inch, and 3/32 inch.

SKU	Description
EV-1B	1/16 Barb Elbow
EV-1B-400	1/16 Barb Elbow Low Profile
EV-2B	1/8 Barb Elbow
EV-332B	3/32 Barb Elbow
EV-2B1B	1/8 by 1/16 Barb Reducing Elbow
EV-2B332B	1/8 by 3/32 Barb Reducing Elbow
EV-332B1B	3/32 by 1/16 Barb Reducing Elbow

## CPL SERIES



The CPL Series are equal or reducing elbow connectors. This series of single barbed elbows are available in Natural and Black Nylon, Natural Polypropylene, PVDF, and Polyethylene. The barb sizes are 1/16 inch, 3/32 inch, 1/8 inch, 5/32 inch, 3/16 inch, and 1/4 inch.

SKU	Description
CPL-1B	1/16 Barb Elbow
CPL-2B	1/8 Barb Elbow
CPL-332B	3/32 Barb Elbow
CPL-2B1B	1/8 Barb to 1/16 Barb Elbow Reducer
CPL-2B332B	1/8 Barb by 3/32 Barb Elbow Reducer
CPL-332B1B	3/32 Barb by 1/16 Barb Elbow Reducer
CPL-3B1B	3/16 Barb by 1/8 Barb Elbow Reducer
CPL-3B2B	3/16 Barb by 1/8 Barb Elbow Reducer
CPL-4B1B	1/4 Barb by 1/16 Barb Elbow Reducer
CPL-4B2B	1/4 Barb by 1/8 Barb Elbow Reducer
CPL-4B332B	1/4 Barb by 3/32 Barb Elbow Reducer
CPL-532B1B	5/32 Barb by 1/16 Barb Elbow Reducer
CPL-532B2B	5/32 Barb by 1/8 Barb Elbow Reducer

## L-W SERIES



This series of precision, Single Barbed Elbows is available in White Nylon, Natural Polypropylene, and White ABS. The available barb sizes are 1/16 inch, 3/32 inch, and 1/8 inch.

SKU	Description
L-W-332	3/32 Barb Precision Elbow Connector
L-W-16	1/16 Barb Precision Elbow Connector
L-W-18	1/8 Barb Precision Elbow Connector



## L-IG SERIES



The L-IG Series are multi-barbed elbows made of Black and White Nylon and Gray Polypropylene. The ports are 1/16 inch and 1/8 inch. The maximum working pressure is 125 psi and the temperature ranges are: Nylon -50° F to 180° F; Polypropylene -40° F to 200° F.

SKU	Description
L-IG-1B-BN	1/16 inch Black Nylon Multi-Barbed Elbow
L-IG-1B-GPP	1/16 inch Gray Polypropylene Multi-Barbed Elbow
L-IG-1B-WN	1/16 inch White Nylon Multi-Barbed Elbow
L-IG-2B-BN	1/8 inch Black Nylon Multi-Barbed Elbow
L-IG-2B-GPP	1/8 inch Gray Polypropylene Multi-Barbed Elbow
L-IG-2B-WN	1/8 inch White Nylon Multi-Barbed Elbow

## ACE SERIES



The ACE Series are 90° elbow adapters. Materials available include Natural and Black Nylon, Glass-Filled Black Nylon, Natural and White Polypropylene, PVDF and Gray PVDF, and High-Density Polyethylene. Available in 10-32 inch Male UNF threads, 1/4-28 inch Male UNF threads, 10-32 inch Male UNF taper threads, and in 1/16 inch MNPT. Also available in barb sizes of 1/16 inch, 3/32 inch, 5/32 inch, 1/8 inch, and 3/16 inch.

SKU	Description
ACE-101B-BN	10-32 inch Male UNF by 1/16 inch Black Nylon Barbed Elbow Adapter
ACE-101B-GFBN	10-32 inch Male UNF by 1/16 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-101B-GPVDF	10-32 inch Male UNF by 1/16 inch Gray PVDF Barbed Elbow Adapter

SKU	Description
ACE-101B-HDPE	10-32 inch Male UNF by 1/16 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-101B-NN	10-32 inch Male UNF by 1/16 inch Natural Nylon Barbed Elbow Adapter
ACE-101B-NPP	10-32 inch Male UNF by 1/16 inch Natural Polypropylene Barbed Elbow Adapter
ACE-101B-PVDF	10-32 inch Male UNF by 1/16 inch PVDF Barbed Elbow Adapter
ACE-101B-WPP	10-32 inch Male UNF by 1/16 inch White Polypropylene Barbed Elbow Adapter
ACE-102B-BN	10-32 inch Male UNF by 1/8 inch Black Nylon Barbed Elbow Adapter
ACE-102B-GFBN	10-32 inch Male UNF by 1/8 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-102B-GPVDF	10-32 inch Male UNF by 1/8 inch Gray PVDF Barbed Elbow Adapter
ACE-102B-HDPE	10-32 inch Male UNF by 1/8 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-102B-NN	10-32 inch Male UNF by 1/8 inch Natural Nylon Barbed Elbow Adapter
ACE-102B-NPP	10-32 inch Male UNF by 1/8 inch Natural Polypropylene Barbed Elbow Adapter
ACE-102B-PVDF	10-32 inch Male UNF by 1/8 inch PVDF Barbed Elbow Adapter
ACE-102B-WPP	10-32 inch Male UNF by 1/8 inch White Polypropylene Barbed Elbow Adapter
ACE-10332B-BN	10-32 inch Male UNF by 3/32 inch Black Nylon Barbed Elbow Adapter
ACE-10332B-GFBN	10-32 inch Male UNF by 3/32 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-10332B-GPVDF	10-32 inch Male UNF by 3/32 inch Gray PVDF Barbed Elbow Adapter
ACE-10332B-HDPE	10-32 inch Male UNF by 3/32 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-10332B-NN	10-32 inch Male UNF by 3/32 inch Natural Nylon Barbed Elbow Adapter
ACE-10332B-NPP	10-32 inch Male UNF by 3/32 inch Natural Polypropylene Barbed Elbow Adapter
ACE-10332B-PVDF	10-32 inch Male UNF by 3/32 inch PVDF Barbed Elbow Adapter
ACE-10332B-WPP	10-32 inch Male UNF by 3/32 inch White Polypropylene Barbed Elbow Adapter
ACE-10532B-BN	10-32 inch Male UNF by 5/32 inch Black Nylon Barbed Elbow Adapter
ACE-10532B-GFBN	10-32 inch Male UNF by 5/32 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-10532B-GPVDF	10-32 inch Male UNF by 5/32 inch Gray PVDF Barbed Elbow Adapter
ACE-10532B-HDPE	10-32 inch Male UNF by 5/32 inch High-Density Polyethylene Barbed Elbow Adapter

SKU	Description
ACE-10532B-NN	10-32 inch Male UNF by 5/32 inch Natural Nylon Barbed Elbow Adapter
ACE-10532B-NPP	10-32 inch Male UNF by 5/32 inch Natural Polypropylene Barbed Elbow Adapter
ACE-10532B-PVDF	10-32 inch Male UNF by 5/32 inch PVDF Barbed Elbow Adapter
ACE-10532B-WPP	10-32 inch Male UNF by 5/32 inch White Polypropylene Barbed Elbow Adapter
ACE-10T1B-BN	10-32 inch Male UNF Taper by 1/16 inch Black Nylon Barbed Elbow Adapter
ACE-10T1B-GFBN	10-32 inch Male UNF Taper by 1/16 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-10T1B-GPVDF	10-32 inch Male UNF Taper by 1/16 inch Gray PVDF Barbed Elbow Adapter
ACE-10T1B-HDPE	10-32 inch Male UNF Taper by 1/16 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-10T1B-NN	10-32 inch Male UNF Taper by 1/16 inch Natural Nylon Barbed Elbow Adapter
ACE-10T1B-NPP	10-32 inch Male UNF Taper by 1/16 inch Natural Polypropylene Barbed Elbow Adapter
ACE-10T1B-PVDF	10-32 inch Male UNF Taper by 1/16 inch PVDF Barbed Elbow Adapter
ACE-10T1B-WPP	10-32 inch Male UNF Taper by 1/16 inch White Polypropylene Barbed Elbow Adapter
ACE-10T2B-BN	10-32 inch Male UNF Taper by 1/8 inch Black Nylon Barbed Elbow Adapter
ACE-10T2B-GFBN	10-32 inch Male UNF Taper by 1/8 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-10T2B-GPVDF	10-32 inch Male UNF Taper by 1/8 inch Gray PVDF Barbed Elbow Adapter
ACE-10T2B-HDPE	10-32 inch Male UNF Taper by 1/8 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-10T2B-NN	10-32 inch Male UNF Taper by 1/8 inch Natural Nylon Barbed Elbow Adapter
ACE-10T2B-NPP	10-32 inch Male UNF Taper by 1/8 inch Natural Polypropylene Barbed Elbow Adapter
ACE-10T2B-PVDF	10-32 inch Male UNF Taper by 1/8 inch PVDF Barbed Elbow Adapter
ACE-10T2B-WPP	10-32 inch Male UNF Taper by 1/8 inch White Polypropylene Barbed Elbow Adapter
ACE-10T332B-BN	10-32 inch Male UNF Taper by 3/32 inch Black Nylon Barbed Elbow Adapter
ACE-10T332B-GFBN	10-32 inch Male UNF Taper by 3/32 inch Glass-Filled Black Nylon Barbed Elbow
ACE-10T332B-GPVDF	10-32 inch Male UNF Taper by 3/32 inch Gray PVDF Barbed Elbow Adapter
ACE-10T332B-HDPE	10-32 inch Male UNF Taper by 3/32 inch High-Density Polyethylene Barbed Elbow Adapter

SKU	Description
ACE-10T332B-NN	10-32 inch Male UNF Taper by 3/32 inch Natural Nylon Barbed Elbow Adapter
ACE-10T332B-NPP	10-32 inch Male UNF Taper by 3/32 inch Natural Polypropylene Barbed Elbow Adapter
ACE-10T332B-PVDF	10-32 inch Male UNF Taper by 3/32 inch PVDF Barbed Elbow Adapter
ACE-10T332B-WPP	10-32 inch Male UNF Taper by 3/32 inch White Polypropylene Barbed Elbow Adapter
ACE-142B-BN	14-28 inch Male UNF by 1/8 inch Black Nylon Barbed Elbow Adapter
ACE-142B-GFBN	14-28 inch Male UNF by 1/8 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-142B-GPVDF	14-28 inch Male UNF by 1/8 inch Gray PVDF Barbed Elbow Adapter
ACE-142B-HDPE	14-28 inch Male UNF by 1/8 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-142B-NN	14-28 inch Male UNF by 1/8 inch Natural Nylon Barbed Elbow Adapter
ACE-142B-NPP	14-28 inch Male UNF by 1/8 inch Natural Polypropylene Barbed Elbow Adapter
ACE-142B-PVDF	14-28 inch Male UNF by 1/8 inch PVDF Barbed Elbow Adapter
ACE-142B-WPP	14-28 inch Male UNF by 1/8 inch White Polypropylene Barbed Elbow Adapter
ACE-143B-BN	1/4-28 inch Male UNF by 3/16 inch Black Nylon Barbed Elbow Adapter
ACE-143B-GFBN	1/4-28 inch Male UNF by 3/16 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-143B-GPVDF	1/4-28 inch Male UNF by 3/16 inch Gray PVDF Barbed Elbow Adapter
ACE-143B-HDPE	1/4-28 inch Male UNF by 3/16 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-143B-NN	1/4-28 inch Male UNF by 3/16 inch Natural Nylon Barbed Elbow Adapter
ACE-143B-NPP	1/4-28 inch Male UNF by 3/16 inch Natural Polypropylene Barbed Elbow Adapter
ACE-143B-PVDF	1/4-28 inch Male UNF by 3/16 inch PVDF Barbed Elbow Adapter
ACE-143B-WPP	1/4-28 inch Male UNF by 3/16 inch White Polypropylene Barbed Elbow Adapter
ACE-1M1B-BN	1/16 inch MNPT by 1/16 inch Black Nylon Barbed Elbow Adapter
ACE-1M1B-GFBN	1/16 inch MNPT by 1/16 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-1M1B-GPVDF	1/16 inch MNPT by 1/16 inch Gray PVDF Barbed Elbow Adapter
ACE-1M1B-HDPE	1/16 inch MNPT by 1/16 inch High-Density Polyethylene Barbed Elbow Adapter

SKU	Description
ACE-1M1B-NN	1/16 inch MNPT by 1/16 inch Natural Nylon Barbed Elbow Adapter
ACE-1M1B-NPP	1/16 inch MNPT by 1/16 inch Natural Polypropylene Barbed Elbow Adapter
ACE-1M1B-PVDF	1/16 inch MNPT by 1/16 inch PVDF Barbed Elbow Adapter
ACE-1M1B-WPP	1/16 inch MNPT by 1/16 inch White Polypropylene Barbed Elbow Adapter
ACE-1M2B-BN	1/16 inch MNPT by 1/8 inch Black Nylon Barbed Elbow Adapter
ACE-1M2B-GFBN	1/16 inch MNPT by 1/8 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-1M2B-GPVDF	1/16 inch MNPT by 1/8 inch Gray PVDF Barbed Elbow Adapter
ACE-1M2B-HDPE	1/16 inch MNPT by 1/8 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-1M2B-NN	1/16 inch MNPT by 1/8 inch Natural Nylon Barbed Elbow Adapter
ACE-1M2B-NPP	1/16 inch MNPT by 1/8 inch Natural Polypropylene Barbed Elbow Adapter
ACE-1M2B-PVDF	1/16 inch MNPT by 1/8 inch PVDF Barbed Elbow Adapter
ACE-1M2B-WPP	1/16 inch MNPT by 1/8 inch White Polypropylene Barbed Elbow Adapter
ACE-1M332B-BN	1/16 inch MNPT by 3/32 inch Black Nylon Barbed Elbow Adapter
ACE-1M332B-GFBN	1/16 inch MNPT by 3/32 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-1M332B-GPVDF	1/16 inch MNPT by 3/32 inch Gray PVDF Barbed Elbow Adapter
ACE-1M332B-HDPE	1/16 inch MNPT by 3/32 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-1M332B-NN	1/16 inch MNPT by 3/32 inch Natural Nylon Barbed Elbow Adapter
ACE-1M332B-NPP	1/16 inch MNPT by 3/32 inch Natural Polypropylene Barbed Elbow Adapter
ACE-1M332B-PVDF	1/16 inch MNPT by 3/32 inch PVDF Barbed Elbow Adapter
ACE-1M332B-WPP	1/16 inch MNPT by 3/32 inch White Polypropylene Barbed Elbow Adapter
ACE-1M3B-BN	1/16 inch MNPT by 3/16 inch Black Nylon Barbed Elbow Adapter
ACE-1M3B-GFBN	1/16 inch MNPT by 3/16 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-1M3B-GPVDF	1/16 inch MNPT by 3/16 inch Gray PVDF Barbed Elbow Adapter
ACE-1M3B-HDPE	1/16 inch MNPT by 3/16 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-1M3B-NK	1/16 inch MNPT by 3/16 inch PVDF Barbed Elbow Adapter
ACE-1M3B-NN	1/16 inch MNPT by 3/16 inch Natural Nylon Barbed Elbow Adapter

SKU	Description
ACE-1M3B-NPP	1/16 inch MNPT by 3/16 inch Natural Polypropylene Barbed Elbow Adapter
ACE-1M3B-WPP	1/16 inch MNPT by 3/16 inch White Polypropylene Barbed Elbow Adapter
ACE-1M532B-BN	1/16 inch MNPT by 5/32 inch Black Nylon Barbed Elbow Adapter
ACE-1M532B-GFBN	1/16 inch MNPT by 5/32 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-1M532B-GPVDF	1/16 inch MNPT by 5/32 inch Gray PVDF Barbed Elbow Adapter
ACE-1M532B-HDPE	1/16 inch MNPT by 5/32 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-1M532B-NN	1/16 inch MNPT by 5/32 inch Natural Nylon Barbed Elbow Adapter
ACE-1M532B-NPP	1/16 inch MNPT by 5/32 inch Natural Polypropylene Barbed Elbow Adapter
ACE-1M532B-PVDF	1/16 inch MNPT by 5/32 inch PVDF Barbed Elbow Adapter
ACE-1M532B-WPP	1/16 inch MNPT by 5/32 inch White Polypropylene Barbed Elbow Adapter

## L-R CONNECTOR SERIES



The L-R Series is a standard, single barbed Elbow connector made of Natural and Black Nylon, Gray PVDF, and NSF 51/61 certified Polyethylene. It is also available in high-density Polyethylene, Natural and White Polypropylene, and Glass-Filled Black Nylon. This elbow is available in equal barbs as well as in a reducing configuration. Equal barb sizes are 1/8 inch, 3/32 inch, 3/16 inch, 1/4 inch, 5/32 inch, 5/16 inch, 3/8 inch, 1/2 inch, 5/8 inch, 3/4 inch, and 1 inch. Reducing sizes are 5/16 inch by 1/4 inch and 1/2 inch by 3/8 inch.

SKU	Description
L-R-2B	1/8 Barb Elbow
L-R-332B	3/32 Barb Elbow
L-R-3B	3/16 Barb Elbow
L-R-4B	1/4 Barb Elbow
L-R-532B	5/32 Barb Elbow
L-R-5B	5/16 Barb Elbow
L-R-6B	3/8 Barb Elbow

SKU	Description
L-R-8B	1/2 Barb Elbow
L-R-10B	5/8 Barb Elbow
L-R-12B	3/4 Barb Elbow
L-R-16B	1 inch Barb Elbow
L-R-5B4B	5/16 by 1/4 Barb Elbow Reducer
L-R-8B6B	1/2 by 3/8 Barb Elbow Reducer



## L SERIES

The L Series are standard triple-barbed connectors 90 degree L offered in both equal and reducing sizes. These elbow connectors are molded of Natural Nylon, Polyethylene, and Black Polypropylene. Equal sizes are 1/4 inch, 5/16 inch, 3/8 inch, 1/2 inch, 5/8 inch, 3/4 inch, 1 inch, 1-1/4 inch, and 1-1/2 inch. Reducing sizes are 1/2 inch by 1/4 inch and 1/2 inch by 3/8 inch. Barbed fittings over 1 inch are not offered in Polyethylene.

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## GEN1 SERIES BARBED FITTINGS



GEN1 Series, manufactured by Pneuline, are single barbed plastic fittings without a parting line on the barb.

[Click Here](#) to View Material Options.

Some materials have specific characteristics such as:

- Black Nylon is UV resistant, making it good for outdoor use.
- Glass-filled nylon is stronger than regular nylon and doesn't absorb liquids, making it good for use where water is prevalent. Glass-filled nylon is also good for outdoor motor vehicles, such as motorcycles, boats, and cars.
- PVDF, Polypropylene, and Polycarbonate are all Class 6 USP and are good for medical and bio-pharmaceutical applications. These materials are bovine-free.
- Acetal is NSF 51/61 listed and can be used for potable water and food applications.

Available in Tees, Elbows, and Straight connections.

Items can be run in a class 7 clean room environment.

The GEN1 Series is available with barb sizes of 1/16, 1/8, 3/16 inch, 1/4 inch, 3/8 inch.

[View our Flyer Here](#)

SKU	Description	Body Material Options
GEN1-T-1B	1/16 inch Single Barb Tee	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-T-2B	1/8 inch Single Barb Tee	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-T-3B	3/16 Single Barb Tee	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-T-4B	1/4 inch Single Barb Tee	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-T-6B	3/8 inch Single Barb Tee	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-L-1B	1/16 inch Barbed Elbow	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-L-2B	1/8 Inch Barbed Elbow	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-L-3B	3/16 inch Single Barb Elbow	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene



SKU	Description	Body Material Options
GEN1-L-4B	1/4 inch Single Barb Elbow	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-L-6B	3/8 inch Single Barb Elbow	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-S-1B	1/16 Inch Single Barb Straight	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-S-2B	1/8 inch Single Barb Straight	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-S-3B	3/16 inch Single Barb Straight	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-S-4B	1/4 inch Single Barb Straight	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-S-6B	3/8 inch Single Barb Straight	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene

## DCE SERIES



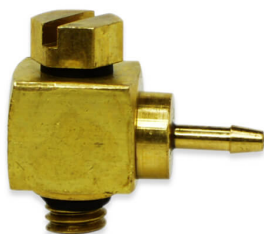
The DCE Series is a rigid male Check Valve elbow made of Acetal that is NSF 51® certified and meets NSF 61® requirements. The available male threads are 1/8 inch, 1/4 inch, and 3/8 inch. OD tubing sizes are 5/32 inch, 3/16 inch, 1/4 inch, 5/16 inch, 3/8 inch, and 1/2 inch. The working pressure at 77° F is 232 psi, and at 158° F it is 145 psi. The working temperature range is from 32° F to 158° F. It can be used for compressed air, inert gases, water, and other fluids.

### SKU

### Description

DCE-2M-14	1/8 MNPT by 1/4 OD Push-in Elbow Spring-loaded Check Valve
DCE-4M-14	1/4 MNPT by 1/4 OD Push-to Connect Elbow Check Valve
DCE-6M-14	3/8 MNPT by 1/4 OD Push-to Connect Elbow Check Valve

## AED SERIES



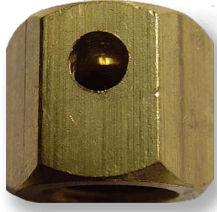
The AED Series are Adjustable 10-32 inch male UNF to barb Brass elbows in 1/16 inch or 1/8 inch single barbs.

### SKU

### Description

AED-1018	10-32 inch Male UNF by 1/8 inch Barbed Adjustable Elbow
AED-10X1B	10-32 inch Male UNF by 1/16 inch Barbed Adjustable Elbow
AED-10X2B	10-32 inch Male UNF by 1/8 inch Barbed Adjustable Elbow

## FEF SERIES



The FEF Series are Brass female-to-female elbow connectors. Shown is a 90° elbow but 45° elbows are available. For the Male version see our [MEF Series](#) line.

SKU	Description
FEF-1032MX1F	10-32 inch Female UNF by 1/16 inch Female 90° Miniature Elbow Adapter
FEF-1032MX2F	10-32 inch Female UNF by 1/8 inch Female 90° Miniature Elbow Adapter
FEF-1032MX4F	10-32 inch Female UNF by 1/4 inch Female 90° Miniature Elbow Adapter
FEF-1032MX3MM	10-32 inch Female UNF by 3MM Female 90° Miniature Elbow Adapter
FEF-1032MX5MM	10-32 inch Female UNF by 5MM Female 90° Miniature Elbow Adapter
FEF-1032MX6MM	10-32 inch Female UNF by 6MM Female 90° Miniature Elbow Adapter
FEF-1032MX8MM	10-32 inch Female UNF by 8MM Female 90° Miniature Elbow Adapter
FEF-1428MX1032F	1/4-28 inch Female UNF by 10-32 Female 90° Miniature Elbow Adapter
FEF-1428MX1F	1/4-28 inch Female UNF by 1/16 inch Female 90° Miniature Elbow Adapter
FEF-1428MX2F	1/4-28 inch Female UNF by 1/8 inch Female 90° Miniature Elbow Adapter
FEF-1428MX4F	1/4-28 inch Female UNF by 1/4 inch Female 90° Miniature Elbow Adapter
FEF-1428MX3MM	1/4-28 inch Female UNF by 3MM Female 90° Miniature Elbow Adapter
FEF-1428MX5MM	1/4-28 inch Female UNF by 5MM Female 90° Miniature Elbow Adapter
FEF-1428MX6MM	1/4-28 inch Female UNF by 6MM Female 90° Miniature Elbow Adapter
FEF-1428MX8MM	1/4-28 inch Female UNF by 8MM Female 90° Miniature Elbow Adapter
FEF-1MX1032F	1/16 inch Female by 10-32 Female 90° Miniature Elbow Adapter
FEF-1MX1428F	1/16 inch Female by 1/4-28 Female 90° Miniature Elbow Adapter
FEF-1MX1F	1/16 inch Female by 1/16 inch Female 90° Miniature Elbow Adapter
FEF-1MX2F	1/16 inch Female by 1/8 inch Female 90° Miniature Elbow Adapter
FEF-1MX4F	1/16 inch Female by 1/4 inch Female 90° Miniature Elbow Adapter
FEF-1MX3MM	1/16 inch Female by 3MM Female 90° Miniature Elbow Adapter

SKU	Description
FEF-1MX5MM	1/16 inch Female by 5MM Female 90° Miniature Elbow Adapter
FEF-1MX6MM	1/16 inch Female by 6MM Female 90° Miniature Elbow Adapter
FEF-1MX8MM	1/16 inch Female by 8MM Female 90° Miniature Elbow Adapter
FEF-2MX1032F	1/8 inch Female by 10-32 Female 90° Miniature Elbow Adapter
FEF-2MX1428F	1/8 inch Female by 1/4-28 Female 90° Miniature Elbow Adapter
FEF-2MX1F	1/8 inch Female by 1/16 inch Female 90° Miniature Elbow Adapter
FEF-2MX2F	1/8 inch Female by 1/8 inch Female 90° Miniature Elbow Adapter
FEF-2MX4F	1/8 inch Female by 1/4 inch Female 90° Miniature Elbow Adapter
FEF-2MX3MM	1/8 inch Female by 3MM Female 90° Miniature Elbow Adapter
FEF-2MX5MM	1/8 inch Female by 5MM Female 90° Miniature Elbow Adapter
FEF-2MX6MM	1/8 inch Female by 6MM Female 90° Miniature Elbow Adapter
FEF-2MX8MM	1/8 inch Female by 8MM Female 90° Miniature Elbow Adapter
FEF-4MX1032F	1/4 inch Female by 10-32 Female 90° Miniature Elbow Adapter
FEF-4MX1428F	1/4 inch Female by 1/4-28 Female 90° Miniature Elbow Adapter
FEF-4MX1F	1/4 inch Female by 1/16 inch Female 90° Miniature Elbow Adapter
FEF-4MX2F	1/4 inch Female by 1/8 inch Female 90° Miniature Elbow Adapter
FEF-4MX4F	1/4 inch Female by 1/4 inch Female 90° Miniature Elbow Adapter
FEF-4MX3MM	1/4 inch Female by 3MM Female 90° Miniature Elbow Adapter
FEF-4MX5MM	1/4 inch Female by 5MM Female 90° Miniature Elbow Adapter
FEF-4MX6MM	1/4 inch Female by 6MM Female 90° Miniature Elbow Adapter
FEF-4MX8MM	1/4 inch Female by 8MM Female 90° Miniature Elbow Adapter
FEF-M3MX1032F	M3 Female by 10-32 Female 90° Miniature Elbow Adapter
FEF-M3MX1428F	M3 Female by 1/4-28 Female 90° Miniature Elbow Adapter
FEF-M3MX1F	M3 Female by 1/16 inch Female 90° Miniature Elbow Adapter
FEF-M3MX2F	M3 Female by 1/8 inch Female 90° Miniature Elbow Adapter
FEF-M3MX4F	M3 Female by 1/4 inch Female 90° Miniature Elbow Adapter
FEF-M3MX3MM	M3 Female by 3MM Female 90° Miniature Elbow Adapter
FEF-M3MX5MM	M3 Female by 5MM Female 90° Miniature Elbow Adapter
FEF-M3MX6MM	M3 Female by 6MM Female 90° Miniature Elbow Adapter
FEF-M3MX8MM	M3 Female by 8MM Female 90° Miniature Elbow Adapter
FEF-M5MX1032F	M5 Female by 10-32 Female 90° Miniature Elbow Adapter
FEF-M5MX1428F	M5 Female by 1/4-28 Female 90° Miniature Elbow Adapter
FEF-M5MX1F	M5 Female by 1/16 inch Female 90° Miniature Elbow Adapter
FEF-M5MX2F	M5 Female by 1/8 inch Female 90° Miniature Elbow Adapter
FEF-M5MX4F	M5 Female by 1/4 inch Female 90° Miniature Elbow Adapter
FEF-M5MX3MM	M5 Female by 3MM Female 90° Miniature Elbow Adapter
FEF-M5MX5MM	M5 Female by 5MM Female 90° Miniature Elbow Adapter
FEF-M5MX6MM	M5 Female by 6MM Female 90° Miniature Elbow Adapter
FEF-M5MX8MM	M5 Female by 8MM Female 90° Miniature Elbow Adapter
FEF-M6MX1032F	M6 Female by 10-32 Female 90° Miniature Elbow Adapter
FEF-M6MX1428F	M6 Female by 1/4-28 Female 90° Miniature Elbow Adapter
FEF-M6MX1F	M6 Female by 1/16 inch Female 90° Miniature Elbow Adapter

SKU	Description
FEF-M6MX2F	M6 Female by 1/8 inch Female 90° Miniature Elbow Adapter
FEF-M6MX4F	M6 Female by 1/4 inch Female 90° Miniature Elbow Adapter
FEF-M6MX3MM	M6 Female by 3MM Female 90° Miniature Elbow Adapter
FEF-M6MX5MM	M6 Female by 5MM Female 90° Miniature Elbow Adapter
FEF-M6MX6MM	M6 Female by 6MM Female 90° Miniature Elbow Adapter
FEF-M6MX8MM	M6 Female by 8MM Female 90° Miniature Elbow Adapter
FEF-M8MX1032F	M8 Female by 10-32 Female 90° Miniature Elbow Adapter
FEF-M8MX1428F	M8 Female by 1/4-28 Female 90° Miniature Elbow Adapter
FEF-M8MX1F	M8 Female by 1/16 inch Female 90° Miniature Elbow Adapter
FEF-M8MX2F	M8 Female by 1/8 inch Female 90° Miniature Elbow Adapter
FEF-M8MX4F	M8 Female by 1/4 inch Female 90° Miniature Elbow Adapter
FEF-M8MX3MM	M8 Female by 3MM Female 90° Miniature Elbow Adapter
FEF-M8MX5MM	M8 Female by 5MM Female 90° Miniature Elbow Adapter
FEF-M8MX6MM	M8 Female by 6MM Female 90° Miniature Elbow Adapter
FEF-M8MX8MM	M8 Female by 8MM Female 90° Miniature Elbow Adapter

## MEF SERIES



The MEF Series is a Brass male or female-to-female elbow connector. 90° and 45° elbows are available.

SKU	Description
MEF-1032MX1428F	10-32 inch Male UNF by 1/4-28 inch Female 90° Miniature Elbow
MEF-1032MX1F	10-32 inch Male UNF by 1/16 inch FNPT 90° Miniature Elbow
MEF-1032MX2F	10-32 inch Male UNF by 1/8 inch FNPT 90° Miniature Elbow
MEF-1032MX4F	10-32 inch Male UNF by 1/4 inch FNPT 90° Miniature Elbow
MEF-1032MX3MM	10-32 inch Male UNF by 3MM Female 90° Miniature Elbow
MEF-1032MX5MM	10-32 inch Male UNF by 5MM Female 90° Miniature Elbow
MEF-1032MX6MM	10-32 inch Male UNF by 6MM Female 90° Miniature Elbow
MEF-1032MX8MM	10-32 inch Male UNF by 8MM Female 90° Miniature Elbow
MEF-1428MX1032F	1/4-28 inch Male UNF by 10-32 inch Female UNF 90° Miniature Elbow
MEF-1428MF	1/4-28 inch Male UNF by 1/4-28 inch Female UNF 90° Miniature Elbow
MEF-1428MX1F	1/4-28 inch Male UNF by 1/16 inch FNPT 90° Miniature Elbow
MEF-1428MX2F	1/4-28 inch Male UNF by 1/8 inch FNPT 90° Miniature Elbow
MEF-1428MX4F	1/4-28 inch Male UNF by 1/4 inch FNPT 90° Miniature Elbow

SKU	Description
MEF-1428MX3MM	1/4-28 inch Male UNF by 3 MM Female 90° Miniature Elbow
MEF-1428MX5MM	1/4-28 inch Male UNF by 5 MM Female 90° Miniature Elbow
MEF-1428MX6MM	1/4-28 inch Male UNF by 6 MM Female 90° Miniature Elbow
MEF-1428MX8MM	1/4-28 inch Male UNF by 8 MM Female 90° Miniature Elbow
MEF-1MX1032F	1/16 inch MNPT by 10-32 inch Female UNF 90° Miniature Elbow
MEF-1MX1428F	1/16 inch MNPT by 1/4-28 inch Female UNF 90° Miniature Elbow
MEF-1MX1F	1/16 inch MNPT by 1/16 inch FNPT 90° Miniature Elbow
MEF-1MX2F	1/16 inch MNPT by 1/8 inch FNPT 90° Miniature Elbow
MEF-1MX4F	1/16 inch MNPT by 1/4 inch FNPT 90° Miniature Elbow
MEF-1MX3MM	1/16 inch MNPT by 3 MM Female 90° Miniature Elbow
MEF-1MX5MM	1/16 inch MNPT by 5 MM Female 90° Miniature Elbow
MEF-1MX6MM	1/16 inch MNPT by 6 MM Female 90° Miniature Elbow
MEF-1MX8MM	1/16 inch MNPT by 8 MM Female 90° Miniature Elbow
MEF-2MX1032F	1/8 inch MNPT by 10-32 inch Female UNF 90° Miniature Elbow
MEF-2MX1428F	1/8 inch MNPT by 1/4-28 inch Female UNF 90° Miniature Elbow
MEF-2MX1F	1/8 inch MNPT by 1/16 inch FNPT 90° Miniature Elbow
MEF-2MX2F	1/8 inch MNPT by 1/8 inch FNPT 90° Miniature Elbow
MEF-2MX4F	1/8 inch MNPT by 1/4 inch FNPT 90° Miniature Elbow
MEF-2MX3MM	1/8 inch MNPT by 3 MM Female 90° Miniature Elbow
MEF-2MX5MM	1/8 inch MNPT by 5 MM Female 90° Miniature Elbow
MEF-2MX6MM	1/8 inch MNPT by 6 MM Female 90° Miniature Elbow
MEF-2MX8MM	1/8 inch MNPT by 8 MM Female 90° Miniature Elbow
MEF-4MX1032F	1/4 inch MNPT by 10-32 inch Female UNF 90° Miniature Elbow
MEF-4MX1428F	1/4 inch MNPT by 1/4-28 inch Female UNF 90° Miniature Elbow
MEF-4MX1F	1/4 inch MNPT by 1/16 inch FNPT 90° Miniature Elbow
MEF-4MX2F	1/4 inch MNPT by 1/8 inch FNPT 90° Miniature Elbow
MEF-4MX4F	1/4 inch MNPT by 1/4 inch FNPT 90° Miniature Elbow
MEF-4MX3MM	1/4 inch MNPT by 3 MM Female 90° Miniature Elbow
MEF-4MX5MM	1/4 inch MNPT by 5 MM Female 90° Miniature Elbow
MEF-4MX6MM	1/4 inch MNPT by 6 MM Female 90° Miniature Elbow
MEF-4MX8MM	1/4 inch MNPT by 8 MM Female 90° Miniature Elbow
MEF-6MM10F	6 M Male by 10-32 inch Female UNF 90° Miniature Elbow
MEF-M3MX1032F	3M Male by 10-32 Female UNF 90° Miniature Elbow
MEF-M3MX1428F	3M Male by 1/4-28 Female UNF 90° Miniature Elbow
MEF-M3MX1F	3M Male by 1/16 inch FNPT 90° Miniature Elbow
MEF-M3MX2F	3M Male by 1/8 inch FNPT 90° Miniature Elbow
MEF-M3MX4F	3M Male by 1/4 inch FNPT 90° Miniature Elbow
MEF-M3MX3MM	3M Male by 3MM Female 90° Miniature Elbow
MEF-M3MX5MM	3M Male by 5MM Female 90° Miniature Elbow
MEF-M3MX6MM	3M Male by 6MM Female 90° Miniature Elbow
MEF-M3MX8MM	3M Male by 8MM Female 90° Miniature Elbow
MEF-M5MX1032F	5M Male by 10-32 Female UNF 90° Miniature Elbow
MEF-M5MX1428F	5M Male by 1/4-28 Female UNF 90° Miniature Elbow

<b>SKU</b>	<b>Description</b>
MEF-M5MX1F	5M Male by 1/16 inch FNPT 90° Miniature Elbow
MEF-M5MX2F	5M Male by 1/8 inch FNPT 90° Miniature Elbow
MEF-M5MX4F	5M Male by 1/4 inch FNPT 90° Miniature Elbow
MEF-M5MX3MM	5 M Male by 3 MM Female 90° Miniature Elbow
MEF-M5MX5MM	5 M Male by 5 MM Female 90° Miniature Elbow
MEF-M5MX6MM	5 M Male by 6 MM Female 90° Miniature Elbow
MEF-M5MX8MM	5 M Male by 8 MM Female 90° Miniature Elbow
MEF-M6MX1032F	6 M Male by 10-32 inch Female UNF 90° Miniature Elbow
MEF-M6MX1428F	6 M Male by 1/4-28 inch Female UNF 90° Miniature Elbow
MEF-M6MX1F	6 M Male by 1/16 inch FNPT 90° Miniature Elbow
MEF-M6MX2F	6 M Male by 1/8 inch FNPT 90° Miniature Elbow
MEF-M6MX4F	6 M Male by 1/4 inch FNPT 90° Miniature Elbow
MEF-M6MX3MM	6 M Male by 3 MM Female 90° Miniature Elbow
MEF-M6MX5MM	6 M Male by 5 MM Female 90° Miniature Elbow
MEF-M6MX6MM	6 M Male by 6 MM Female 90° Miniature Elbow
MEF-M6MX8MM	6 M Male by 8 MM Female 90° Miniature Elbow
MEF-M8MX1032F	8 M Male by 10-32 Female UNF 90° Miniature Elbow
MEF-M8MX1428F	8 M Male by 1/4-28 Female UNF 90° Miniature Elbow
MEF-M8MX1F	8 M Male by 1/16 inch FNPT 90° Miniature Elbow
MEF-M8MX2F	8 M Male by 1/8 inch FNPT 90° Miniature Elbow
MEF-M8MX4F	8 M Male by 1/4 inch FNPT 90° Miniature Elbow
MEF-M8MX3MM	8 M Male by 3 MM Female 90° Miniature Elbow
MEF-M8MX5MM	8 M Male by 5 MM Female 90° Miniature Elbow
MEF-M8MX6MM	8 M Male by 6 MM Female 90° Miniature Elbow
MEF-M8MX8MM	8 M Male by 8 MM Female 90° Miniature Elbow

## BC SERIES



The BC Series are miniature Brass pipe fittings with various configurations of 10-32 inch UNF and 1/4-28 inch UNF male and female threads. These block fittings can be either female-to-female or male-to-female configurations of elbows, crosses, or tees.

SKU	Description
BC-FE-10	10-32 inch Female UNF by 10-32 inch Female UNF Block Elbow Connector
BC-FT-10	10-32 inch Female UNF by 10-32 inch Female UNF Block Tee Connector
BC-FT-14	1/4-28 inch Female UNF by 1/4-28 inch Female UNF Block Tee Connector
BC-FX-10	10-32 inch Female UNF by 10-32 inch Female UNF by 10-32 inch Female UNF Block Cross Connector
BC-MFE-10	10-32 inch Male UNF by 10-32 inch Female UNF Block Elbow Connector
BC-MFT-10	10-32 inch Male UNF by 10-32 inch Female UNF Block Tee Connector
BC-MFT-14	1/4-28 inch Male UNF by 1/4-28 inch Female UNF Block Tee Connector
BC-MFX-10	10-32 inch Male UNF by 10-32 inch Female UNF Block Cross Connector
BC-MFEA	10-32 inch Male UNF by 10-32 inch Female UNF Block Straight Connector

## FAE SERIES



The FAE Series are Brass Elbows with female bite-style barbs in 1/8 inch or 1/4 inch to 1/16 inch up to 3/8 inch.

SKU	Description
FAE-2F732B	1/8 inch FNPT by 7/32 inch Barb Brass Elbow Adapter
FAE-2F170B	1/8 inch FNPT by .170 inch Barb Brass Elbow Adapter
FAE-2F078B	1/8 inch FNPT by .078 inch Barb Brass Elbow Adapter
FAE-2F332B	1/8 inch FNPT by 3/32 inch Barb Brass Elbow Adapter
FAE-2F1B	1/8 inch FNPT by 1/16 inch Barb Brass Elbow Adapter
FAE-2F2B	1/8 inch FNPT by 1/8 inch Barb Brass Elbow Adapter
FAE-2F3B	1/8 inch FNPT by 3/16 inch Barb Brass Elbow Adapter
FAE-2F564B	1/8 inch FNPT by 5/64 inch Barb Brass Elbow Adapter
FAE-4F1B	1/4 inch FNPT by 1/16 inch Barb Brass Elbow Adapter
FAE-4F564B	1/4 inch FNPT by 5/64 inch Barb Brass Elbow Adapter



SKU	Description
F AE-4F332B	1/4 inch FNPT by 3/32 inch Barb Brass Elbow Adapter
F AE-4F2B	1/4 inch FNPT by 1/8 inch Barb Brass Elbow Adapter
F AE-4F170B	1/4 inch FNPT by .170 inch Barb Brass Elbow Adapter
F AE-4F3B	1/4 inch FNPT by 3/16 inch Barb Brass Elbow Adapter
F AE-4F4B	1/4 inch FNPT by 1/4 inch Barb Brass Elbow Adapter

## FE SERIES



The FE Series are Brass female by bite-style barb adapter elbows at 90° and 45° angles. Female NPT thread sizes available are 1/16 inch, 1/8 inch, 3/8 inch, and 1/4 inch. Barbs come in a wide range of sizes, which are listed below. Also available in 303 Stainless Steel.

SKU	Description
FE-2F078B	1/8 inch FNPT by .078 inch Barb Brass Elbow Adapter
FE-2F332B	1/8 inch FNPT by 3/32 inch Barb Brass Elbow Adapter
FE-2F170B	1/8 inch FNPT by .170 inch Barb Brass Elbow Adapter
FE-2F1B	1/8 inch FNPT by 1/16 inch Barb Brass Elbow Adapter
FE-2F532B	1/8 inch FNPT by 5/32 inch Barb Brass Elbow Adapter
FE-2F2B	1/8 inch FNPT by 1/8 inch Barb Brass Elbow Adapter
FE-2F3B	1/8 inch FNPT by 3/16 inch Barb Brass Elbow Adapter
FE-2F4B	1/8 inch FNPT by 1/4 inch Barb Brass Elbow Adapter
FE-2F564B	1/8 inch FNPT by 5/64 inch Barb Brass Elbow Adapter
FE-2F5B	1/8 inch FNPT by 5/16 inch Barb Brass Elbow Adapter
FE-2F6B	1/8 inch FNPT by 3/8 inch Barb Brass Elbow Adapter
FE-4F1B	1/4 inch FNPT by 1/16 inch Barb Brass Elbow Adapter
FE-4F2B	1/4 inch FNPT by 1/8 inch Barb Brass Elbow Adapter
FE-4F3B	1/4 inch FNPT by 3/16 inch Barb Brass Elbow Adapter
FE-4F4B	1/4 inch FNPT by 1/4 inch Barb Brass Elbow Adapter
FE-4F564B	1/4 inch FNPT by 5/64 inch Barb Brass Elbow Adapter
FE-4F6B	1/4 inch FNPT by 3/8 inch Barb Brass Elbow Adapter
FE-4F732B	1/4 inch FNPT by 7/32 inch Barb Brass Elbow Adapter
FE-4F170B	1/4 inch FNPT by .170 inch Barb Brass Elbow Adapter
FE-6F170B	3/8 inch FNPT by .170 inch Barb Brass Elbow Adapter
FE-6F1B	3/8 inch FNPT by 1/16 inch Barb Brass Elbow Adapter
FE-6F2B	3/8 inch FNPT by 1/8 inch Barb Brass Elbow Adapter
FE-6F332B	3/8 inch FNPT by 3/32 inch Barb Brass Elbow Adapter

SKU	Description
FE-6F3B	3/8 inch FNPT by 3/16 inch Barb Brass Elbow Adapter
FE-6F4B	3/8 inch FNPT by 1/4 inch Barb Brass Elbow Adapter
FE-6F532B	3/8 inch FNPT by 5/32 inch Barb Brass Elbow Adapter
FE-6F564B	3/8 inch FNPT by 5/64 inch Barb Brass Elbow Adapter
FE-6F5B	3/8 inch FNPT by 5/16 inch Barb Brass Elbow Adapter
FE-6F6B	3/8 inch FNPT by 3/8 inch Barb Brass Elbow Adapter
FE45-1F170B	1/16 inch FNPT by .170 inch Barb Brass 45° Elbow Adapter
FE45-1F1B	1/16 inch FNPT by 1/16 inch Barb Brass 45° Elbow Adapter
FE45-1F2B	1/16 inch FNPT by 1/8 inch Barb Brass 45° Elbow Adapter
FE45-1F332B	1/16 inch FNPT by 3/32 inch Barb Brass 45° Elbow Adapter
FE45-1F3B	1/16 inch FNPT by 3/16 inch Barb Brass 45° Elbow Adapter
FE45-1F4B	1/16 inch FNPT by 1/4 inch Barb Brass 45° Elbow Adapter
FE45-1F532B	1/16 inch FNPT by 5/32 inch Barb Brass 45° Elbow Adapter
FE45-1F564B	1/16 inch FNPT by 1/16 inch Barb Brass 45° Elbow Adapter
FE45-1F5B	1/16 inch FNPT by 5/16 inch Barb Brass 45° Elbow Adapter
FE45-1F6B	1/16 inch FNPT by 3/8 inch Barb Brass 45° Elbow Adapter
FE45-1F732B	1/16 inch FNPT by 7/32 inch Barb Brass 45° Elbow Adapter
FE45-1F8B	1/16 inch FNPT by 1/2 inch Barb Brass 45° Elbow Adapter
FE45-2F170B	1/8 inch FNPT by .170 inch Barb Brass 45° Elbow Adapter
FE45-2F1B	1/8 inch FNPT by 1/16 inch Barb Brass 45° Elbow Adapter
FE45-2F2B	1/8 inch FNPT by 1/8 inch Barb Brass 45° Elbow Adapter
FE45-2F332B	1/8 inch FNPT by 3/32 inch Barb Brass 45° Elbow Adapter
FE45-2F3B	1/8 inch FNPT by 3/16 inch Barb Brass 45° Elbow Adapter
FE45-2F4B	1/8 inch FNPT by 1/4 inch Barb Brass 45° Elbow Adapter
FE45-2F532B	1/8 inch FNPT by 5/32 inch Barb Brass 45° Elbow Adapter
FE45-2F564B	1/8 inch FNPT by 5/64 inch Barb Brass 45° Elbow Adapter
FE45-2F5B	1/8 inch FNPT by 5/16 inch Barb Brass 45° Elbow Adapter
FE45-2F6B	1/8 inch FNPT by 3/8 inch Barb Brass 45° Elbow Adapter
FE45-2F732B	1/8 inch FNPT by 7/32 inch Barb Brass 45° Elbow Adapter
FE45-2F8B	1/8 inch FNPT by 1/2 inch Barb Brass 45° Elbow Adapter
FE45-4F170B	1/4 inch FNPT by .170 inch Barb Brass 45° Elbow Adapter
FE45-4F1B	1/4 inch FNPT by 1/16 inch Barb Brass 45° Elbow Adapter
FE45-4F2B	1/4 inch FNPT by 1/8 inch Barb Brass 45° Elbow Adapter
FE45-4F332B	1/4 inch FNPT by 3/32 inch Barb Brass 45° Elbow Adapter
FE45-4F3B	1/4 inch FNPT by 3/16 inch Barb Brass 45° Elbow Adapter
FE45-4F4B	1/4 inch FNPT by 1/4 inch Barb Brass 45° Elbow Adapter
FE45-4F532B	1/4 inch FNPT by 5/32 inch Barb Brass 45° Elbow Adapter
FE45-4F564B	1/4 inch FNPT by 5/64 inch Barb Brass 45° Elbow Adapter
FE45-4F5B	1/4 inch FNPT by 5/16 inch Barb Brass 45° Elbow Adapter
FE45-4F6B	1/4 inch FNPT by 3/8 inch Barb Brass 45° Elbow Adapter
FE45-4F732B	1/4 inch FNPT by 7/32 inch Barb Brass 45° Elbow Adapter
FE45-4F8B	1/4 inch FNPT by 1/2 inch Barb Brass 45° Elbow Adapter
FE45-6F170B	3/8 inch FNPT by .170 inch Barb Brass 45° Elbow Adapter

SKU	Description
FE45-6F1B	3/8 inch FNPT by 1/16 inch Barb Brass 45° Elbow Adapter
FE45-6F2B	3/8 inch FNPT by 1/8 inch Barb Brass 45° Elbow Adapter
FE45-6F332B	3/8 inch FNPT by 3/32 inch Barb Brass 45° Elbow Adapter
FE45-6F3B	3/8 inch FNPT by 3/16 inch Barb Brass 45° Elbow Adapter
FE45-6F4B	3/8 inch FNPT by 1/4 inch Barb Brass 45° Elbow Adapter
FE45-6F532B	3/8 inch FNPT by 5/32 inch Barb Brass 45° Elbow Adapter
FE45-6F564B	3/8 inch FNPT by 5/64 inch Barb Brass 45° Elbow Adapter
FE45-6F5B	3/8 inch FNPT by 5/16 inch Barb Brass 45° Elbow Adapter
FE45-6F6B	3/8 inch FNPT by 3/8 inch Barb Brass 45° Elbow Adapter
FE45-6F732B	3/8 inch FNPT by 7/32 inch Barb Brass 45° Elbow Adapter
FE45-6F8B	3/8 inch FNPT by 1/2 inch Barb Brass 45° Elbow Adapter

## FA SERIES



The FA Series is Brass Female NPT by bite-style barb, in sizes ranging from 1/16 inch to 3/8 inch FNPT threads and 3/64 inch to 3/8 inch Barbs. Also available in Nickel Plate, 303 Stainless Steel, and 316 Stainless Steel.

For UNF and SAE Female Threads see FAU Series.

Description	SKU	SKU	SKU	SKU	Description
Female National Pipe Thread by Barb, Brass	FNPT by Barb Brass	Female National Pipe Thread by Barb, Nickel plated Brass	Female National Pipe Thread by Barb, 303 SS	Female National Pipe Thread by Barb, 316 SS	Female National Pipe Thread by Barb, Nickel plated
1/16 FNPT by 3/64 Barb	FA-1F364B	FA-1F364B-NP	FA-1F364B-303	FA-1F364B-SS	1/16 FNPT by 3/64 Barb
1/16 FNPT by 1/16 Barb	FA-1F1B	FA-1F1B-NP	FA-1F1B-303	FA-1F1B-SS	1/16 FNPT by 1/16 Barb
1/16 FNPT by 5/52 Barb, 2MM	FA-1F564B	FA-1F564B-NP	FA-1F564B-303	FA-1F564B-SS	1/16 FNPT by 5/52 Barb, 2MM
1/16 FNPT by 3/32 Barb	FA-1F332B	FA-1F332B-NP	FA-1F332B	FA-1F332B-SS	1/16 FNPT by 3/32 Barb

Description	SKU	SKU	SKU	SKU	Description
1/16 FNPT by 1/8 Barb	FA-1F2B	FA-1F2B-NP	FA-1F2B	FA-1F2B-SS	1/16 FNPT by 1/8 Barb
1/16 FNPT by 5/32 Barb, 4MM	FA-1F532B	FA-1F532B-NP	FA-1F532B	FA-1F532B-SS	1/16 FNPT by 5/32 Barb, 4MM
1/16 FNPT by .170 Barb	FA-1F170B	FA-1F170B-NP	FA-1F170B	FA-1F170B-SS	1/16 FNPT by .170 Barb
1/16 FNPT by 3/16 Barb	FA-1F3B	FA-1F3B-NP	FA-1F3B	FA-1F3B-SS	1/16 FNPT by 3/16 Barb
1/16 FNPT by 7/32 Barb	FA-1F732B	FA-1F732B-NP	FA-1F732B	FA-1F732B-SS	1/16 FNPT by 7/32 Barb
1/16 FNPT by 15/64 Barb, 6MM	FA-1F1564B	FA-1F1564B-NP	FA-1F1564B	FA-1F1564B-SS	1/16 FNPT by 15/64 Barb, 6MM
1/16 FNPT by 1/4 Barb	FA-1F4B	FA-1F4B-NP	FA-1F4B	FA-1F4B-SS	1/16 FNPT by 1/4 Barb
1/16 FNPT by 5/16 Barb, 8MM	FA-1F516B	FA-1F516B-NP	FA-1F516B	FA-1F516B	1/16 FNPT by 5/16 Barb, 8MM
1/16 FNPT by 3/8 Barb	FA-1F6B	FA-1F6B-NP	FA-1F6B	FA-1F6B	1/16 FNPT by 3/8 Barb
1/8 inch FNPT by .Barb	FA-2F078B	FA-2F078B	FA-2F078B	FA-2F078B	1/8 inch FNPT by .Barb
1/8 FNPT by 3/64 Barb	FA-2F364B	FA-2F364B	FA-2F364B	FA-2F364B	1/8 FNPT by 3/64 Barb
1/8 inch FNPT by 1/16 Barb	FA-2F1B	FA-2F1B	FA-2F1B	FA-2F1B	1/8 inch FNPT by 1/16 Barb
1/8 FNPT by 5/64 Barb, 2MM	FA-2F564B	FA-2F564B	FA-2F564B	FA-2F564B	1/8 FNPT by 5/64 Barb, 2MM
1/8 inch FNPT by 3/32 inch Barb	FA-2F332B	FA-2F332B	FA-2F332B	FA-2F332B	1/8 inch FNPT by 3/32 inch Barb
1/8 inch FNPT by 1/8 Barb	FA-2F2B	FA-2F2B	FA-2F2B	FA-2F2B	1/8 inch FNPT by 1/8 Barb
1/8 inch FNPT by 5/32 inch Barb, 4MM	FA-2F532B	FA-2F532B	FA-2F532B	FA-2F532B	1/8 inch FNPT by 5/32 inch Barb, 4MM
1/8 inch FNPT by .170 Barb	FA-2F170B	FA-2F170B	FA-2F170B	FA-2F170B	1/8 inch FNPT by .170 Barb
1/8 inch FNPT by 3/16 inch Barb Brass	FA-2F3B	FA-2F3B	FA-2F3B	FA-2F3B	1/8 inch FNPT by 3/16 inch Barb Brass

Description	SKU	SKU	SKU	SKU	Description
1/8 inch FNPT by 7/32 Barb	FA-2F732B	FA-2F732B	FA-2F732B	FA-2F732B	1/8 inch FNPT by 7/32 Barb
1/8 FNPT by 15/64 Barb, 6MM	FA-2F1564B	FA-2F1564B	FA-2F1564B	FA-2F1564B	1/8 FNPT by 15/64 Barb, 6MM
1/8 inch FNPT by 1/4 Barb	FA-2F4B	FA-2F4B	FA-2F4B	FA-2F4B	1/8 inch FNPT by 1/4 Barb
1/8 inch FNPT by 5/16 Barb, 8MM	FA-2F5B	FA-2F5B	FA-2F5B	FA-2F5B	1/8 inch FNPT by 5/16 Barb, 8MM
1/8 inch FNPT by 3/8 Barb	FA-2F6B	FA-2F6B	FA-2F6B	FA-2F6B	1/8 inch FNPT by 3/8 Barb
1/4 FNPT by 3/64 Barb	FA-4F364B	FA-4F364B	FA-4F364B	FA-4F364B	1/4 FNPT by 3/64 Barb
1/4 inch FNPT by 1/16 Barb	FA-4F1B	FA-4F1B	FA-4F1B	FA-4F1B	1/4 inch FNPT by 1/16 Barb
1/4 inch FNPT by 5/64 Barb, 2MM	FA-4F564B	FA-4F564B	FA-4F564B	FA-4F564B	1/4 inch FNPT by 5/64 Barb, 2MM
1/4 inch FNPT by 1/8 Barb	FA-4F2B	FA-4F2B	FA-4F2B	FA-4F2B	1/4 inch FNPT by 1/8 Barb
1/4 FNPT by 5/32 Barb, 4MM	FA-4F532B	FA-4F532B	FA-4F532B	FA-4F532B	1/4 FNPT by 5/32 Barb, 4MM
1/4 inch FNPT by by .170 Barb	FA-4F170B	FA-4F170B	FA-4F170B	FA-4F170B	1/4 inch FNPT by by .170 Barb
1/4 inch FNPT by 3/16 Barb	FA-4F3B	FA-4F3B	FA-4F3B	FA-4F3B	1/4 inch FNPT by 3/16 Barb
1/4 inch FNPT by 7/32 Barb	FA-4F732B	FA-4F732B	FA-4F732B	FA-4F732B	1/4 inch FNPT by 7/32 Barb
1/4 FNPT by 15/64 Barb, 6MM	FA-4F1564B	FA-4F1564B	FA-4F1564B	FA-4F1564B	1/4 FNPT by 15/64 Barb, 6MM
1/4 inch FNPT by 1/4 Barb	FA-4F4B	FA-4F4B	FA-4F4B	FA-4F4B	1/4 inch FNPT by 1/4 Barb
1/4 FNPT by 5/16 Barb, 8MM	FA-4F5B	FA-4F5B	FA-4F5B	FA-4F5B	1/4 FNPT by 5/16 Barb, 8MM

Description	SKU	SKU	SKU	SKU	Description
1/4 inch FNPT by 3/8 Barb	FA-4F6B	FA-4F6B	FA-4F6B	FA-4F6B	1/4 inch FNPT by 3/8 Barb
3/8 FNPT by 3/64 Barb	FA-6F364B	FA-6F364B	FA-6F364B	FA-6F364B	3/8 FNPT by 3/64 Barb
3/8 inch FNPT by 1/16 Barb	FA-6F1B	FA-6F1B	FA-6F1B	FA-6F1B	3/8 inch FNPT by 1/16 Barb
3/8 inch FNPT by 5/64 Barb, 2MM	FA-6F564B	FA-6F564B	FA-6F564B	FA-6F564B	3/8 inch FNPT by 5/64 Barb, 2MM
3/8 inch FNPT by 3/32 Barb	FA-6F332B	FA-6F332B	FA-6F332B	FA-6F332B	3/8 inch FNPT by 3/32 Barb
3/8 inch FNPT by 1/8 Barb	FA-6F2B	FA-6F2B	FA-6F2B	FA-6F2B	3/8 inch FNPT by 1/8 Barb
3/8 inch FNPT by 5/32 Barb, 4MM	FA-6F532B	FA-6F532B	FA-6F532B	FA-6F532B	3/8 inch FNPT by 5/32 Barb, 4MM
3/8 inch FNPT by .170 Barb	FA-6F170B	FA-6F170B	FA-6F170B	FA-6F170B	3/8 inch FNPT by .170 Barb
3/8 inch FNPT by 3/16 Barb	FA-6F3B	FA-6F3B	FA-6F3B	FA-6F3B	3/8 inch FNPT by 3/16 Barb
3/8 FNPT by 7/32 Barb	FA-6F732B	FA-6F732B	FA-6F732B	FA-6F732B	3/8 FNPT by 7/32 Barb
3/8 FNPT by 15/64 Barb, 6MM	FA-6F1564B	FA-6F1564B	FA-6F1564B	FA-6F1564B	3/8 FNPT by 15/64 Barb, 6MM
3/8 inch FNPT by 1/4 Barb	FA-6F4B	FA-6F4B	FA-6F4B	FA-6F4B	3/8 inch FNPT by 1/4 Barb
3/8 inch FNPT by 5/16 Barb, 8MM	FA-6F5B	FA-6F5B	FA-6F5B	FA-6F5B	3/8 inch FNPT by 5/16 Barb, 8MM
<b>3/8 FNPT by 3/8 Barb</b>	<b>FA-6F6B</b>	<b>FA-6F6B</b>	<b>FA-6F6B</b>	<b>FA-6F6B</b>	<b>3/8 FNPT by 3/8 Barb</b>



## MAE SERIES

MAE Series Brass Male Elbow Adapters Barb sizes range from 1/16 inch to 1/4 inch.

SKU	Description
MAE-1M1B	1/16 inch MNPT by 1/16 inch Barbed Adapter
MAE-1M2B	1/16 inch MNPT by 1/8 inch Barbed Adapter
MAE-1M3B	1/16 inch MNPT by 3/16 inch Barbed Adapter
MAE-1M564B	1/16 inch MNPT by 5/64 inch Barbed Adapter
MAE-2M1B	1/8 inch MNPT by 1/16 inch Barbed Adapter
MAE-2M2B	1/8 inch MNPT by 1/8 inch Barbed Adapter
MAE-2M2B-N	1/8 inch MNPT by 1/8 inch Barbed Adapter
MAE-2M3B	1/8 inch MNPT by 3/16 inch Barbed Adapter
MAE-2M4B-2B	1/8 inch MNPT by 1/4 inch Barb by 1/8 inch Barbed Adapter
MAE-2M4B-2B-NP	1/8 inch MNPT by 1/4 inch Barb by 1/8 inch Barbed Adapter
MAE-2M564B	1/8 inch MNPT by 5/64 inch Barbed Adapter
MAE-4M1B	1/4 inch MNPT by 1/16 inch Barbed Adapter
MAE-4M1B2B	1/4 inch MNPT by 1/16 inch Barb by 1/8 inch Barbed Adapter
MAE-4M2B	1/4 inch MNPT by 1/8 inch Barbed Adapter
MAE-4M2B1B	1/4 inch MNPT by 1/8 inch Barb by 1/16 inch Barbed Adapter
MAE-4M332B	1/4 inch MNPT by 3/32 inch Barbed Adapter
MAE-4M3B	1/4 inch MNPT by 3/16 inch Barbed Adapter
MAE-4M564B	1/4 inch MNPT by 5/64 inch Barbed Adapter

## ME SERIES



ME Series Brass male Elbow adapters with bite-style barbs ranging from 1/16 inch to 1/2 inch at 90° and 45° angles.

SKU	Description
ME-10MM516B	10 by 1 MM by 5/16 inch Barb Brass Elbow Brass
ME-1M078B	1/16 inch Male Brass Elbow by .078 Barb
ME-1M170B	1/16 inch Male Brass Elbow by .170 Barb
ME-1M1B	1/16 inch Male Brass Elbow by 1/16 inch Barb
ME-1M2B	1/16 inch Male Brass Elbow by 1/8 inch Barb
ME-1M332B	1/16 inch Male Brass Elbow to 3/32 inch Barb
ME-1M3B	1/16 inch Male Brass Elbow by 3/16 inch Barb
ME-1M4B	1/16 inch Male Brass Elbow by 1/4 inch Barb
ME-1M532B	1/16 inch Male Brass Elbow by 5/32 inch Barb
ME-1M564B	1/16 inch Male Brass Elbow by 5/64 inch Barb
ME-1M5B	1/16 inch Male Brass Elbow by 5/16 inch Barb
ME-1M6B	1/16 inch Male Brass Elbow by 3/8 inch Barb
ME-1M732B	1/16 inch Male Brass Elbow by 7/32 inch Barb
ME-2M078B	1/8 inch Male Brass Elbow by .078 Barb
ME-2M170B	1/8 inch Male Brass Elbow to .170 Barb
ME-2M1B	1/8 inch Male Brass Elbow by 1/16 inch Barb
ME-2M2B	1/8 inch Male Brass Elbow by 1/8 inch Barb
ME-2M2B-Short	1/8 inch Male Brass Elbow by 1/8 inch Barb Short Threads
ME-2M332B	1/8 inch Male Brass Elbow by 3/32 inch Barb
ME-2M3B	1/8 inch Male Brass Elbow to 3/16 inch Barb
ME-2M4B	1/8 inch Male Brass Elbow by 1/4 inch Barb
ME-2M4BSH	1/8 inch Male Brass Elbow to 1/4 inch Barb Short
ME-2M532B	1/8 inch Male Brass Elbow by 5/32 inch Barb
ME-2M564B	1/8 inch Male Brass Elbow by 5/64 inch Barb
ME-2M5B	1/8 inch Male Brass Elbow to 5/16 inch Barb
ME-2M6B	1/8 inch Male Brass Elbow to 3/8 inch Barb
ME-2M732B	1/8 inch Male Brass Elbow by 7/32 inch Barb
ME3-078B	M3 Metric Brass Elbow .078
ME3-1B	M3 Metric Brass Elbow 1/16 inch
ME3-2B	M3 Metric Brass Elbow 1/8 inch
ME3-332B	M3 Metric Brass Elbow 3/32 inch
ME-4M078B	1/4 inch Male Brass Elbow to .078 Barb
ME-4M170B	1/4 inch Male Brass Elbow to .170 Barb
ME-4M1B	1/4 inch Male Brass Elbow to 1/16 inch Barb



SKU	Description
ME-4M2B	1/4 inch Male Brass Elbow to 1/8 inch Barb
ME-4M2B-Short	1/4 inch Male Brass Elbow to 1/8 inch Barb Short Threads
ME-4M2B-SW	1/4 inch Male Brass Elbow to 1/8 inch Barb Swivel
ME-4M332B	1/4 inch Male Brass Elbow to 3/32 inch Barb
ME-4M3B	1/4 inch Male Brass Elbow to 3/16 inch Barb
ME-4M4B	1/4 inch Male Brass Elbow to 1/4 inch Barb
ME-4M532B	1/4 inch Male Brass Elbow by 5/32 inch Barb
ME-4M564B	1/4 inch Male Brass Elbow by 5/64 inch Barb
ME-4M5B	1/4 inch Male Brass Elbow to 5/16 inch Barb
ME-4M6B	1/4 inch Male Brass Elbow to 3/8 inch Barb
ME-4M732B	1/4 inch Male Brass Elbow by 7/32 inch Barb
ME-4M8B	1/4 inch Male Brass Elbow to 1/2 inch Barb
ME-6M170B	3/8 inch Male Brass Elbow by .170 Barb
ME-6M1B	3/8 inch Male Brass Elbow by 1/16 inch Barb
ME-6M2B	3/8 inch Male Brass Elbow by 1/8 inch Barb
ME-6M2B-SH	3/8 inch Male Brass Elbow to 1/8 inch Barb Short
ME-6M332B	3/8 inch Male Brass Elbow by 3/32 inch Barb
ME-6M3B	3/8 inch Male Brass Elbow by 3/16 inch Barb
ME-6M4B	3/8 inch Male Brass Elbow by 1/4 inch Barb
ME-6M532B	3/8 inch Male Brass Elbow by 5/32 inch Barb
ME-6M564B	3/8 inch Male Brass Elbow by 5/64 inch Barb
ME-6M5B	3/8 inch Male Brass Elbow by 5/16 inch Barb
ME-6M6B	3/8 inch Male Brass Elbow by 3/8 inch Barb
ME-6M732B	3/8 inch Male Brass Elbow by 7/32 inch Barb
ME-8M170B	1/2 inch Male Brass Elbow by .170 Barb
ME-8M1B	1/2 inch Male Brass Elbow by 1/16 inch Barb
ME-8M2B	1/2 inch Male Brass Elbow by 1/8 inch Barb
ME-8M332B	1/2 inch Male Brass Elbow by 3/32 inch Barb
ME-8M3B	1/2 inch Male Brass Elbow by 3/16 inch Barb
ME-8M4B	1/2 inch Male Brass Elbow by 1/4 inch Barb
ME-8M532B	1/2 inch Male Brass Elbow by 5/32 inch Barb
ME-8M564B	1/2 inch Male Brass Elbow by 5/64 inch Barb
ME-8M5B	1/2 inch Male Brass Elbow by 5/16 inch Barb
ME-8M6B	1/2 inch Male Brass Elbow by 3/8 inch Barb
ME-8M732B	1/2 inch Male Brass Elbow by 7/32 inch Barb
ME45-10M1B	10-32 by 1/16 inch Barb 45° Brass Elbow
ME45-10M332B	10-32 by 3/32 inch Barb 45° Brass Elbow
ME45-10M564B	10-32 by 5/64 inch Barb 45° Brass Elbow
ME45-14M170B	1/4-28 by .170 Barb 45° Brass Elbow
ME45-14M1B	1/4-28 by 1/16 inch Barb 45° Brass Elbow
ME45-14M2B	1/4-28 by 1/8 inch Barb 45° Brass Elbow
ME45-14M332B	1/4-28 by 3/32 inch Barb 45° Brass Elbow
ME45-14M3B	1/4-28 by 3/16 inch Barb 45° Brass Elbow

SKU	Description
ME45-14M4B	1/4-28 by 1/4 inch Barb 45° Brass Elbow
ME45-14M532B	1/4-28 by 5/32 inch Barb 45° Brass Elbow
ME45-14M564B	1/4-28 by 5/64 inch Barb 45° Brass Elbow
ME45-14M732B	1/4-28 by 7/32 inch Barb 45° Brass Elbow
ME45-1M170B	1/16 inch by .170 Barb 45° Brass Elbow
ME45-1M1B	1/16 inch by 1/16 inch Barb 45° Brass Elbow
ME45-1M2B	1/16 inch by 1/8 inch Barb 45° Brass Elbow
ME45-1M332B	1/16 inch by 3/32 inch Barb 45° Brass Elbow
ME45-1M3B	1/16 inch by 3/16 inch Barb 45° Brass Elbow
ME45-1M4B	1/16 inch by 1/4 inch Barb 45° Brass Elbow
ME45-1M532B	1/16 inch by 5/32 inch Barb 45° Brass Elbow
ME45-1M564B	1/16 inch by 5/64 inch Barb 45° Brass Elbow
ME45-1M732B	1/16 inch by 7/32 inch Barb 45° Brass Elbow
ME45-2M170B	1/8 inch by .170 Barb 45° Brass Elbow
ME45-2M1B	1/8 inch by 1/16 inch Barb 45° Brass Elbow
ME45-2M2B	1/8 inch by 1/8 inch Barb 45° Brass Elbow
ME45-2M332B	1/8 inch by 3/32 inch Barb 45° Brass Elbow
ME45-2M3B	1/8 inch by 3/16 inch Barb 45° Brass Elbow
ME45-2M4B	1/8 inch by 1/4 inch Barb 45° Brass Elbow
ME45-2M532B	1/8 inch by 5/32 inch Barb 45° Brass Elbow
ME45-2M564B	1/8 inch by 5/64 inch Barb 45° Brass Elbow
ME45-2M5B	1/8 inch by 5/16 inch Barb 45° Brass Elbow
ME45-2M6B	1/8 inch by 3/8 inch Barb 45° Brass Elbow
ME45-2M732B	1/8 inch by 7/32 inch Barb 45° Brass Elbow
ME45-2M8B	1/8 inch by 1/2 inch Barb 45° Brass Elbow
ME45-4M170B	1/4 inch by .170 Barb 45° Brass Elbow
ME45-4M1B	1/4 inch by 1/16 inch Barb 45° Brass Elbow
ME45-4M2B	1/4 inch by 1/8 inch Barb 45° Brass Elbow
ME45-4M332B	1/4 inch by 3/32 inch Barb 45° Brass Elbow
ME45-4M3B	1/4 inch by 3/16 inch Barb 45° Brass Elbow
ME45-4M4B	1/4 inch by 1/4 inch Barb 45° Brass Elbow
ME45-4M532B	1/4 inch by 5/32 inch Barb 45° Brass Elbow
ME45-4M564B	1/4 inch by 5/64 inch Barb 45° Brass Elbow
ME45-4M5B	1/4 inch by 5/16 inch Barb 45° Brass Elbow
ME45-4M6B	1/4 inch by 3/8 inch Barb 45° Brass Elbow
ME45-4M732B	1/4 inch by 7/32 inch Barb 45° Brass Elbow
ME45-4M8B	1/4 inch by 1/2 inch Barb 45° Brass Elbow
ME45-6M170B	3/8 inch by .170 Barb 45° Brass Elbow
ME45-6M1B	3/8 inch by 1/16 inch Barb 45° Brass Elbow
ME45-6M2B	3/8 inch by 1/8 inch Barb 45° Brass Elbow
ME45-6M332B	3/8 inch by 3/32 inch Barb 45° Brass Elbow
ME45-6M3B	3/8 inch by 3/16 inch Barb 45° Brass Elbow
ME45-6M4B	3/8 inch by 1/4 inch Barb 45° Brass Elbow

SKU	Description
ME45-6M532B	3/8 inch by 5/32 inch Barb 45° Brass Elbow
ME45-6M564B	3/8 inch by 5/64 inch Barb 45° Brass Elbow
ME45-6M5B	3/8 inch by 5/16 inch Barb 45° Brass Elbow
ME45-6M6B	3/8 inch by 3/8 inch Barb 45° Brass Elbow
ME45-6M732B	3/8 inch by 7/32 inch Barb 45° Brass Elbow
ME45-6M8B	3/8 inch by 1/2 inch Barb 45° Brass Elbow

## BE SERIES



The BE Series Brass 90° Elbow bite-style connectors are fabricated with silver solder that complies with FDA, NSF, and medical grades VT lead-free and cadmium-free solder. Also available in 303 Stainless Steel. Included with the BE series is the BER series, which is the reduced version of the BE series.

SKU	Description
BE-170B	.170 inch Equal 90° Elbow
BE-170B1B	.170 inch by 1/16 inch 90° Elbow
BE-170B564B	.170 inch by 5/64 inch 90° Elbow
BE-170B332B	.170 inch by 3/32 inch 90° Elbow
BE-170B2B	.170 inch by 1/8 inch 90° Elbow
BE-170B532B	.170 inch by 5/32 inch 90° Elbow
BE-1B	1/16 inch Equal 90° Elbow
BE-332B	3/32 inch Equal 90° Elbow
BE-332B1B	3/32 inch by 1/16 inch 90° Elbow
BE-332B564B	3/32 inch by 5/64 inch 90° Elbow
BE-3B	3/16 inch Equal 90° Elbow
BE-3B1B	3/16 inch by 1/16 inch 90° Elbow
BE-3B564B	3/16 inch by 5/64 inch 90° Elbow
BE-3B332B	3/16 inch by 3/32 inch 90° Elbow
BE-3B2B	3/16 inch by 1/8 inch 90° Elbow
BE-3B532B	3/16 inch by 5/32 inch 90° Elbow
BE-3B170B	3/16 inch by .170 inch 90° Elbow
BE-4B	1/4 inch Equal 90° Elbow
BE-4B1B	1/4 inch by 1/16 inch 90° Elbow
BE-4B564B	1/4 inch by 5/64 inch 90° Elbow
BE-4B332B	1/4 inch by 3/32 inch 90° Elbow
BE-4B2B	1/4 inch by 1/8 inch 90° Elbow
BE-4B532B	1/4 inch by 5/32 inch 90° Elbow

SKU	Description
BE-4B170B	1/4 inch by .170 inch 90° Elbow
BE-4B3B	1/4 inch by 3/16 inch 90° Elbow
BE-4B732B	1/4 inch by 7/32 inch 90° Elbow
BE-2B	1/8 inch Equal 90° Elbow
BE-2B1B	1/8 inch by 1/16 inch 90° Elbow
BE-2B564B	1/8 inch by 5/64 inch 90° Elbow
BE-2B332B	1/8 inch by 3/32 inch 90° Elbow
BE-5B	5/16 inch Equal 90° Elbow
BE-5B1B	5/16 inch by 1/16 inch 90° Elbow
BE-5B564B	5/16 inch by 5/64 inch 90° Elbow
BE-5B332B	5/16 inch by 3/32 inch 90° Elbow
BE-5B2B	5/16 inch by 1/8 inch 90° Elbow
BE-5B532B	5/16 inch by 5/32 inch 90° Elbow
BE-5B170B	5/16 inch by .170 inch 90° Elbow
BE-5B3B	5/16 inch by 3/16 inch 90° Elbow
BE-5B732B	5/16 inch by 7/32 inch 90° Elbow
BE-5B4B	5/16 inch by 1/4 inch 90° Elbow
BE-6B	3/8 inch Equal 90° Elbow
BE-6B1B	3/8 inch by 1/16 inch 90° Elbow
BE-6B564B	3/8 inch by 5/64 inch 90° Elbow
BE-6B332B	3/8 inch by 3/32 inch 90° Elbow
BE-6B2B	3/8 inch by 1/8 inch 90° Elbow
BE-6B532B	3/8 inch by 5/32 inch 90° Elbow
BE-6B170B	3/8 inch by .170 inch 90° Elbow
BE-6B3B	3/8 inch by 3/16 inch 90° Elbow
BE-6B732B	3/8 inch by 7/32 inch 90° Elbow
BE-6B4B	3/8 inch by 1/4 inch 90° Elbow
BE-6B5B	3/8 inch by 5/16 inch 90° Elbow
BE-532B	5/32 inch Equal 90° Elbow
BE-532B1B	5/32 inch by 1/16 inch 90° Elbow
BE-532B564B	5/32 inch by 5/64 inch 90° Elbow
BE-532B332B	5/32 inch by 3/32 inch 90° Elbow
BE-532B2B	5/32 inch by 1/8 inch 90° Elbow
BE-564B	5/64 inch Equal 90° Elbow
BE-564B1B	5/64 inch by 1/16 inch 90° Elbow
BE-732B	7/32 inch Equal 90° Elbow
BE-732B1B	7/32 inch by 1/16 inch 90° Elbow
BE-732B564B	7/32 inch by 5/64 inch 90° Elbow
BE-732B332B	7/32 inch by 3/32 inch 90° Elbow
BE-732B2B	7/32 inch by 1/8 inch 90° Elbow
BE-732B532B	7/32 inch by 5/32 inch 90° Elbow
BE-732B170B	7/32 inch by .170 inch 90° Elbow
BE-732B3B	7/32 inch by 3/16 inch 90° Elbow

SKU	Description
BER-170B1B	.170 inch by 1/16 inch 90° Elbow
BER-170B2B	.170 inch by 1/8 inch 90° Elbow
BER-170B332B	.170 inch by 3/32 inch 90° Elbow
BER-170B532B	.170 inch by 5/32 inch 90° Elbow
BER-170B564B	.170 inch by 5/64 inch 90° Elbow
BER-2B1B	1/8 inch by 1/16 inch 90° Elbow
BER-2B332B	1/8 inch by 3/32 inch 90° Elbow
BER-2B564B	1/8 inch by 5/64 inch 90° Elbow
BER-332B1B	3/32 inch by 1/16 inch 90° Elbow
BER-332B564B	3/32 inch by 5/64 inch 90° Elbow
BER-3B170B	3/16 inch by .170 inch 90° Elbow
BER-3B1B	3/16 inch by 1/16 inch 90° Elbow
BER-3B2B	3/16 inch by 1/8 inch 90° Elbow
BER-3B332B	3/16 inch by 3/32 inch 90° Elbow
BER-3B532B	3/16 inch by 5/32 inch 90° Elbow
BER-3B564B	3/16 inch by 5/64 inch 90° Elbow
BER-4B170B	1/4 inch by .170 inch 90° Elbow
BER-4B1B	1/4 inch by 1/16 inch 90° Elbow
BER-4B2B	1/4 inch by 1/8 inch 90° Elbow
BER-4B332B	1/4 inch by 3/32 inch 90° Elbow
BER-4B3B	1/4 inch by 3/16 inch 90° Elbow
BER-4B532B	1/4 inch by 5/32 inch 90° Elbow
BER-4B564B	1/4 inch by 5/64 inch 90° Elbow
BER-4B732B	1/4 inch by 7/32 inch 90° Elbow
BER-532B1B	5/32 inch by 1/16 inch 90° Elbow
BER-532B2B	5/32 inch by 1/8 inch 90° Elbow
BER-532B332B	5/32 inch by 3/32 inch 90° Elbow
BER-532B564B	5/32 inch by 5/64 inch 90° Elbow
BER-564B1B	5/64 inch by 1/16 inch 90° Elbow
BER-5B170B	5/16 inch by .170 inch 90° Elbow
BER-5B1B	5/16 inch by 1/16 inch 90° Elbow
BER-5B2B	5/16 inch by 1/8 inch 90° Elbow
BER-5B332B	5/16 inch by 3/32 inch 90° Elbow
BER-5B3B	5/16 inch by 3/16 inch 90° Elbow
BER-5B4B	5/16 inch by 1/4 inch 90° Elbow
BER-5B532B	5/16 inch by 5/32 inch 90° Elbow
BER-5B564B	5/16 inch by 5/64 inch 90° Elbow
BER-5B732B	5/16 inch by 7/32 inch 90° Elbow
BER-6B170B	3/8 inch by .170 inch 90° Elbow
BER-6B1B	3/8 inch by 1/16 inch 90° Elbow
BER-6B2B	3/8 inch by 1/8 inch 90° Elbow
BER-6B332B	3/8 inch by 3/32 inch 90° Elbow
BER-6B3B	3/8 inch by 3/16 inch 90° Elbow

SKU	Description
BER-6B4B	3/8 inch by 1/4 inch 90° Elbow
BER-6B532B	3/8 inch by 5/32 inch 90° Elbow
BER-6B564B	3/8 inch by 5/64 inch 90° Elbow
BER-6B5B	3/8 inch by 5/16 inch 90° Elbow
BER-6B732B	3/8 inch by 7/32 inch 90° Elbow
BER-732B170B	7/32 inch by .170 inch 90° Elbow
BER-732B1B	7/32 inch by 1/16 inch 90° Elbow
BER-732B2B	7/32 inch by 1/8 inch 90° Elbow
BER-732B332B	7/32 inch by 3/32 inch 90° Elbow
BER-732B3B	7/32 inch by 3/16 inch 90° Elbow
BER-732B532B	7/32 inch by 5/32 inch 90° Elbow
BER-732B564B	7/32 inch by 5/64 inch 90° Elbow
BER-8B332B	1/2 inch by 3/32 inch 90° Elbow

## FEU SERIES



The FEU Series is a Brass female UNF thread to bite-style barb elbow. The bite-style barb holds the tubing securely so it will not pull off. Also available in nickel-plated Brass and 303 Stainless Steel.

SKU	Description
FEU-10X078B	10-32 inch Female UNF by .078 inch Brass Adapter
FEU-10X170B	10-32 inch Female UNF by .170 inch Brass Adapter
FEU-10X1B	10-32 inch Female UNF by 1/16 inch Brass Adapter
FEU-10X2B	10-32 inch Female UNF by 1/8 inch Brass Adapter
FEU-10X332B	10-32 inch Female UNF by 3/32 inch Brass Adapter
FEU-10X532B	10-32 inch Female UNF by 5/32 inch Brass Adapter
FEU-10X564BB	10-32 inch Female UNF by 5/64 inch Brass Adapter

## MEV SERIES



The MEV Series are brass MNPT thread with bite-style barbs at 60 degree to the flats. These elbows come in 3 different sizes of the angle between elbows – 60°, 90° and 120°. This series comes in MNPT thread sizes ranging from 1/8 inch to 3/8 inch and barb sizes ranging from 1/16 inch to 1/2 inch. Also available in Nickel-Plated Brass and 303 Stainless Steel.

SKU	Description
MEV60-2M1B	1/8 inch MNPT by 1/16 inch Barb 60° Brass Elbow
MEV60-2M2B	1/8 inch MNPT by 1/8 inch Barb 60° Brass Elbow
MEV60-2M332B	1/8 inch MNPT by 3/32 inch Barb 60° Brass Elbow
MEV60-2M3B	1/8 inch MNPT by 3/16 inch Barb 60° Brass Elbow
MEV60-2M4B	1/8 inch MNPT by 1/4 inch Barb 60° Brass Elbow
MEV60-2M532B	1/8 inch MNPT by 5/32 inch Barb 60° Brass Elbow
MEV60-2M564B	1/8 inch MNPT by 5/64 inch Barb 60° Brass Elbow
MEV60-2M5B	1/8 inch MNPT by 5/16 inch Barb 60° Brass Elbow
MEV60-2M6B	1/8 inch MNPT by 3/8 inch Barb 60° Brass Elbow
MEV60-2M732B	1/8 inch MNPT by 7/32 inch Barb 60° Brass Elbow
MEV60-2M8B	1/8 inch MNPT by 1/2 inch Barb 60° Brass Elbow
MEV60-4M170B	1/4 inch MNPT by .170 inch Barb 60° Brass Elbow
MEV60-4M1B	1/4 inch MNPT by 1/16 inch Barb 60° Brass Elbow
MEV60-4M2B	1/4 inch MNPT by 1/8 inch Barb 60° Brass Elbow
MEV60-4M332B	1/4 inch MNPT by 3/32 inch Barb 60° Brass Elbow
MEV60-4M3B	1/4 inch MNPT by 3/16 inch Barb 60° Brass Elbow
MEV60-4M4B	1/4 inch MNPT by 1/4 inch Barb 60° Brass Elbow
MEV60-4M532B	1/4 inch MNPT by 5/32 inch Barb 60° Brass Elbow
MEV60-4M564B	1/4 inch MNPT by 5/64 inch Barb 60° Brass Elbow
MEV60-4M5B	1/4 inch MNPT by 5/16 inch Barb 60° Brass Elbow
MEV60-4M6B	1/4 inch MNPT by 3/8 inch Barb 60° Brass Elbow
MEV60-4M732B	1/4 inch MNPT by 7/32 inch Barb 60° Brass Elbow
MEV60-4M8B	1/4 inch MNPT by 1/2 inch Barb 60° Brass Elbow
MEV60-6M170B	3/8 inch MNPT by .170 Barb 60° Brass Elbow
MEV60-6M1B	3/8 inch MNPT by 1/16 inch Barb 60° Brass Elbow
MEV60-6M2B	3/8 inch MNPT by 1/8 inch Barb 60° Brass Elbow
MEV60-6M332B	3/8 inch MNPT by 3/32 inch Barb 60° Brass Elbow
MEV60-6M3B	3/8 inch MNPT by 3/16 inch Barb 60° Brass Elbow
MEV60-6M4B	3/8 inch MNPT by 1/4 inch Barb 60° Brass Elbow
MEV60-6M532B	3/8 inch MNPT by 5/32 inch Barb 60° Brass Elbow
MEV60-6M564B	3/8 inch MNPT by 5/64 inch Barb 60° Brass Elbow

SKU	Description
MEV60-6M5B	3/8 inch MNPT by 5/16 inch Barb 60° Brass Elbow
MEV60-6M6B	3/8 inch MNPT by 3/8 inch Barb 60° Brass Elbow
MEV60-6M732B	3/8 inch MNPT by 7/32 inch Barb 60° Brass Elbow
MEV60-6M8B	3/8 inch MNPT by 1/2 inch Barb 60° Brass Elbow
MEV90-2M170B	1/8 inch MNPT by .170 Barb 90° Brass Elbow
MEV90-2M1B	1/8 inch MNPT by 1/16 inch Barb 90° Brass Elbow
MEV90-2M2B	1/8 inch MNPT by 1/8 inch Barb 90° Brass Elbow
MEV90-2M332B	1/8 inch MNPT by 3/32 inch Barb 90° Brass Elbow
MEV90-2M3B	1/8 inch MNPT by 3/16 inch Barb 90° Brass Elbow
MEV90-2M4B	1/8 inch MNPT by 1/4 inch Barb 90° Brass Elbow
MEV90-2M532B	1/8 inch MNPT by 5/32 inch Barb 90° Brass Elbow
MEV90-2M564B	1/8 inch MNPT by 5/16 inch Barb 90° Brass Elbow
MEV90-2M5B	1/8 inch MNPT by 5/64 inch Barb 90° Brass Elbow
MEV90-2M6B	1/8 inch MNPT by 3/8 inch Barb 90° Brass Elbow
MEV90-2M732B	1/8 inch MNPT by 7/32 inch Barb 90° Brass Elbow
MEV90-2M8B	1/8 inch MNPT by 1/2 inch Barb 90° Brass Elbow
MEV90-4M170B	1/4 inch MNPT by .170 inch Barb 90° Brass Elbow
MEV90-4M1B	1/4 inch MNPT by 1/16 inch Barb 90° Brass Elbow
MEV90-4M2B	1/4 inch MNPT by 1/8 inch Barb 90° Brass Elbow
MEV90-4M332B	1/4 inch MNPT by 3/32 inch Barb 90° Brass Elbow
MEV90-4M3B	1/4 inch MNPT by 3/16 inch Barb 90° Brass Elbow
MEV90-4M4B	1/4 inch MNPT by 1/4 inch Barb 90° Brass Elbow
MEV90-4M532B	1/4 inch MNPT by 5/32 inch Barb 90° Brass Elbow
MEV90-4M564B	1/4 inch MNPT by 5/64 inch Barb 90° Brass Elbow
MEV90-4M5B	1/4 inch MNPT by 5/16 inch Barb 90° Brass Elbow
MEV90-4M6B	1/4 inch MNPT by 3/8 inch Barb 90° Brass Elbow
MEV90-4M732B	1/4 inch MNPT by 7/32 inch Barb 90° Brass Elbow
MEV90-4M8B	1/4 inch MNPT by 1/2 inch Barb 90° Brass Elbow
MEV90-6M170B	3/8 inch MNPT by .170 Barb 90° Brass Elbow
MEV90-6M1B	3/8 inch MNPT by 1/16 inch Barb 90° Brass Elbow
MEV90-6M2B	3/8 inch MNPT by 1/8 inch Barb 90° Brass Elbow
MEV90-6M332B	3/8 inch MNPT by 3/32 inch Barb 90° Brass Elbow
MEV90-6M3B	3/8 inch MNPT by 3/16 inch Barb 90° Brass Elbow
MEV90-6M4B	3/8 inch MNPT by 1/4 inch Barb 90° Brass Elbow
MEV90-6M532B	3/8 inch MNPT by 5/32 inch Barb 90° Brass Elbow
MEV90-6M564B	3/8 inch MNPT by 5/64 inch Barb 90° Brass Elbow
MEV90-6M5B	3/8 inch MNPT by 5/16 inch Barb 90° Brass Elbow
MEV90-6M6B	3/8 inch MNPT by 3/8 inch Barb 90° Brass Elbow
MEV90-6M732B	3/8 inch MNPT by 7/32 inch Barb 90° Brass Elbow
MEV90-6M8B	3/8 inch MNPT by 1/2 inch Barb 90° Brass Elbow
MEV120-2M170B	1/8 inch MNPT by .170 inch Barb 120° Brass Elbow
MEV120-2M1B	1/8 inch MNPT by 1/16 inch Barb 120° Brass Elbow
MEV120-2M2B	1/8 inch MNPT by 1/8 inch Barb 120° Brass Elbow



SKU	Description
MEV120-2M332B	1/8 inch MNPT by 3/32 inch Barb 120° Brass Elbow
MEV120-2M3B	1/8 inch MNPT by 3/16 inch Barb 120° Brass Elbow
MEV120-2M4B	1/8 inch MNPT by 1/4 inch Barb 120° Brass Elbow
MEV120-2M532B	1/8 inch MNPT by 5/32 inch Barb 120° Brass Elbow
MEV120-2M564B	1/8 inch MNPT by 5/64 inch Barb 120° Brass Elbow
MEV120-2M5B	1/8 inch MNPT by 5/16 inch Barb 120° Brass Elbow
MEV120-2M6B	1/8 inch MNPT by 3/8 inch Barb 120° Brass Elbow
MEV120-2M732B	1/8 inch MNPT by 7/32 inch Barb 120° Brass Elbow
MEV120-2M8B	1/8 inch MNPT by 1/2 inch Barb 120° Brass Elbow
MEV120-4M170B	1/4 inch MNPT by .170 inch Barb 120° Brass Elbow
MEV120-4M1B	1/4 inch MNPT by 1/16 inch Barb 120° Brass Elbow
MEV120-4M2B	1/4 inch MNPT by 1/8 inch Barb 120° Brass Elbow
MEV120-4M332B	1/4 inch MNPT by 3/32 inch Barb 120° Brass Elbow
MEV120-4M3B	1/4 inch MNPT by 3/16 inch Barb 120° Brass Elbow
MEV120-4M4B	1/4 inch MNPT by 1/4 inch Barb 120° Brass Elbow
MEV120-4M532B	1/4 inch MNPT by 5/32 inch Barb 120° Brass Elbow
MEV120-4M564B	1/4 inch MNPT by 5/64 inch Barb 120° Brass Elbow
MEV120-4M5B	1/4 inch MNPT by 5/16 inch Barb 120° Brass Elbow
MEV120-4M6B	1/4 inch MNPT by 3/8 inch Barb 120° Brass Elbow
MEV120-4M732B	1/4 inch MNPT by 7/32 inch Barb 120° Brass Elbow
MEV120-4M8B	1/4 inch MNPT by 1/2 inch Barb 120° Brass Elbow
MEV120-6M170B	3/8 inch MNPT by .170 inch Barb 120° Brass Elbow
MEV120-6M1B	3/8 inch MNPT by 1/16 inch Barb 120° Brass Elbow
MEV120-6M2B	3/8 inch MNPT by 1/8 inch Barb 120° Brass Elbow
MEV120-6M332B	3/8 inch MNPT by 3/32 inch Barb 120° Brass Elbow
MEV120-6M3B	3/8 inch MNPT by 3/16 inch Barb 120° Brass Elbow
MEV120-6M4B	3/8 inch MNPT by 1/4 inch Barb 120° Brass Elbow
MEV120-6M532B	3/8 inch MNPT by 5/32 inch Barb 120° Brass Elbow
MEV120-6M564B	3/8 inch MNPT by 5/64 inch Barb 120° Brass Elbow
MEV120-6M5B	3/8 inch MNPT by 5/16 inch Barb 120° Brass Elbow
MEV120-6M6B	3/8 inch MNPT by 3/8 inch Barb 120° Brass Elbow
MEV120-6M732B	3/8 inch MNPT by 7/32 inch Barb 120° Brass Elbow
MEV120-6M8B	3/8 inch MNPT by 1/2 inch Barb 120° Brass Elbow

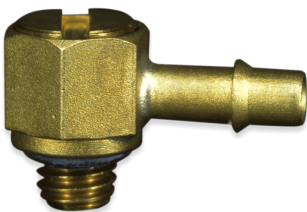


## DME SERIES- ELBOW ADAPTER

The DME Series Brass male NPT thread by ID bite-style barb elbow adapter works well with Polyethylene tubing. Available in an MNPT size range from 1/16 inch to 3/8 inch, and an ID size range from .170 inch to .375 inch. This fitting has excellent vibration resistance and requires no clamp. The maximum working pressure is 150 psi and the temperature range is -65° F to 90° F. This fitting can also be used in climate control, pneumatic systems, and filters.

SKU	Description
DME-14250	1/4 inch MNPT by .250 inch ID Brass Multi-Barbed Elbow Adapter
DME-14375	1/4 inch MNPT by .375 inch ID Brass Multi-Barbed Elbow Adapter
DME-16170	1/16 inch MNPT by .170 inch ID Brass Multi-Barbed Elbow Adapter
DME-18170	1/8 inch MNPT by .170 inch ID Brass Multi-Barbed Elbow Adapter
DME-18250	1/8 inch MNPT by .250 inch ID Brass Multi-Barbed Elbow Adapter
DME-183332	1/8 inch MNPT by 3/32 inch ID Brass Multi-Barbed Elbow Adapter
DME-38375	3/8 inch MNPT by .375 inch ID Brass Multi-Barbed Elbow Adapter

## CAE SERIES



The CAE Series are Brass 10-32 inch UNF by bite-style single barb adjustable fitting with slotted adjustment flush to the surface. Elbow and Tee configurations. Also available in Nickel-Plated.

SKU	Description
CAE-10170B	10-32 inch UNF by .170 inch Brass Adjustable Elbow
CAE-10X2B	10-32 inch UNF by .170 inch Brass Adjustable Elbow
CAE-101B	10-32 inch UNF by 1/16 inch Brass Adjustable Elbow
CAE-10332B	10-32 inch UNF by 3/32 inch Brass Adjustable Elbow
CAE-102B	10-32 inch UNF by 1/8 inch Brass Adjustable Elbow
CAE-10170B	10-32 inch UNF by .170 inch Brass Adjustable Elbow

## GHE SERIES



The GHE Series is a Male Garden Hose Elbow made of Nylon or black Polypropylene. Size of 1/4, 3/8, 1/2, 5/8 and 3/4 barb.

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SKU	Description
GHE-6B	Garden Hose Elbow by 3/8 inch Nylon Barb
GHE-8B	Garden Hose Elbow by 1/2 inch Nylon Barb
GHE-10B	Garden Hose Elbow by 5/8 inch Nylon Barb
GHE-12B	Garden Hose Elbow by 3/4 inch Nylon Barb
GHE-16B	GHE by 1 inch Nylon Barb

## NVC SERIES

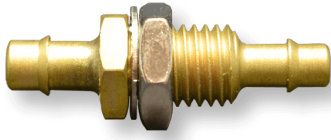


The NVC Series Acetal Push-to-Connect Needle Valve is designed for precision and reliability. Featuring a nickel-plated needle, this valve ensures reliable performance and continuance in various applications. Additionally, the NVC Series offers an elbow configuration, providing flexibility and ease of installation in tight spaces. Whether you need a straight or elbow configuration, this needle valve is a great choice for your fluid control needs.

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SKU	Description
NVC-04-MFL-FFL	1/4 inch Flare Male to Female Stainless Steel Needle Valve
NVC-4	1/4 inch OD Needle Valve
NVC-6	3/8 inch OD Needle Valve

## BB SERIES



Brass Bulkheads with Bite-Style Barbs. 10-32 mounting Threads for 1/16 inch, .078, and 3/32 inch. 1/4-28 mounting Thread with 1/16 inch thru hole to 5/32 inch Barb. 5/16-24 mounting Thread with 1/16 inch thru hole to 3/16 inch Barb. 3/8-24 mounting Thread with 1/16 inch thru-hole to 3/8 inch Barb. Mixed sizes are available for Straight and Elbow models.

SKU	Description
BB-10-170B078B	10-32 by .170 by .078 Barb Brass Reducing Bulkhead
BB-10-170B332B	10-32 by .170 by 3/32 Barb Brass Reducing Bulkhead
BB-10-1B	10-32 by 1/16 Barb Brass Bulkhead
BB-10-2B1B	10-32 by 1/8 by 1/16 Barb Brass Reducing Bulkhead
BB-10-332B	10-32 by 3/32 Barb Brass Bulkhead
BB-10-332B1B	10-32 by 3/32 by 1/16 Barb Brass Reducing Bulkhead
BB-10-332B1B-NP	10-32 by 3/32 by 1/16 Barb Nickel Plated Bulkhead
BB-14-2B	1/4-28 by 1/8 Barb Brass Bulkhead
BB-14-6B1B	1/4-28 by 3/8 by 1/16 Barb Brass Reducing Bulkhead
BB-14-O-2B	1/4-28 by 1/8 Barb Brass Reducing Bulkhead O-ring
BB-1M-5B332B	1/16 NPT 5/16 by 3/32 Barb Brass Reducing Bulkhead
BB-2M-5B332B	1/8 NPT 5/16 by 3/32 Barb Brass Reducing Bulkhead
BB-2M-6B4B	1/8 NPT 3/8 by 1/4 Barb Brass Reducing Bulkhead
BB-38-3B-SS	3/8-24 3/16 Barb 303 Stainless Bulkhead
BB-38-4B	3/8-24 1/4 Barb Brass Bulkhead
BB-38-4B-170B	3/8-24 by 1/4 by .170 Barb Brass Reducing Bulkhead
BB-38-4B-170B-SS	3/8-24 by 1/4 by .170 Barb Stainless Steel Bulkhead
BB-38-4B-3B	3/8-24 by 1/4 by 3/16 Barb Brass Reducing Bulkhead
BB-38-4B-NP	3/8-24 by 1/4 Barb Brass Nickel Plated Bulkhead
BB-38-4B-SS	3/8-24 by 1/4 Barb 303 Stainless Bulkhead
BB-38-6B1B	3/8-24 by 3/8 by 1/16 Barb Brass Reducing Bulkhead
BB-38-6B2DB	3/8-24 by 3/8 by 1/8 Double Barb Brass Reducing Bulkhead
BB-38-6B2DB-020	3/8-24 by 3/8 by 1/8 Double Barb, .020 Orifice Brass Reducing Bulkhead
BB-38-6B4B	3/8-24 by 3/8 by 1/4 Barb Brass Reducing Bulkhead
BB-516-170532	5/16-24 by .170 by 5/32 Barb Brass Reducing Bulkhead
BB-516-170732	5/16-24 by .170 by .732 Barb Brass Reducing Bulkhead
BB-516-170B	5/16-24 by .170 Barb Bulkhead

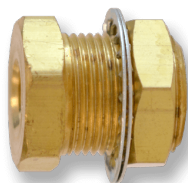


## MBFL SERIES

Equal and reducing Bulkhead Elbows with a flange and NPS threads. First Barb's size is on the outside of the panel the second is inside the panel. Available in Black Nylon, Natural Nylon, Polypropylene, and PVDF. Thread sizes for the bulkheads are UNF 10-32, 1/4-28 and 5/16-24. NPS thread sizes are 1/8" and 1/4". Barb sizes are 3/32", 1/8", 5/32", 3/16" and 1/4". (order as NN, PP, PVDF) Extra long version is shown.

SKU	Description
MBFL-1032-332B	10-32 3/32 by 3/32 Bulkhead Elbow
MBFL-1032-1B32B	10-32 1/16 by 1/8 Bulkhead Elbow Reducer
MBFL-1428-2B	1/4-28 1/8 by 1/8 Bulkhead Elbow
MBFL-1428-1B2B	1/4-28 1/16 by 1/8 Bulkhead Elbow Reducer
MBFL-1428-332B2B	1/4-28 3/32 by 1/8 Bulkhead Elbow Reducer
MBFL-516-332B532B	5/16-24 UNF 3/32 by 5/32 Bulkhead Elbow Reducer
MBFL-516-532	5/16-24 5/32 by 5/32 Bulkhead Elbow
MBFL-516-2B52B	1/8 NPS 3/16 by 1/4 Bulkhead Elbow Reducer
MBFL-2M-4B	1/8 NPS 1/4 by 1/4 Bulkhead Elbow
MBFL-2M-332B4B	1/8 NPS 3/32 by 1/4 Bulkhead Elbow Reducer
MBFL-2M-2B4B	1/8 NPS 1/8 by 1/4 Bulkhead Elbow Reducer
MBFL-2M-532B4B	1/8 NPS 5/32 by 1/4 Bulkhead Elbow Reducer
MBFL-2M-3B4B	1/8 NPS 3/16 by 1/4 Bulkhead Elbow Reducer
MBFL-2M-532B4B	1/8 NPS 5/32 by 1/4 Bulkhead Elbow Reducer
MBFL-4M-4B	1/4 NPS 1/4 by 1/4 Bulkhead Elbow
MBFL-4M-2B4B	1/4 NPS 1/8 by 1/4 Bulkhead Elbow Reducer
MBFL-4M-332B4B	1/4 NPS 3/32 by 1/4 Bulkhead Elbow Reducer
MBFL-4M-532B4B	1/4 NPS 5/32 by 1/4 Bulkhead Elbow Reducer

## FBH BRASS SERIES



FBH Series inline Brass Bulkheads. FNPT both sides with exceptions, Elbow and several MNPT By FNPT. Brass Bulkhead sizes ranging from 1/8 inch FNPT thru 1 inch FNPT, Male to FNPT products are all 1/2 MNPT Dry seal located on the outside of the panel and FNPT on the inside of the panel, 1/4 or 3/8 FNPT. Zinc-Plated Steel optional,

For Stainless Steel (303 and 316), Nickel-Plated Brass, and Aluminum see MSSB Series. Additional 316 Stainless steel see our LSSB series.

SKU	Description
FBH-12F	1/2 inch Female 1-1/8, 14 UNS Bulkhead
FBH-12F12M	1/2 inch Female by 1/2 inch Male Bulkhead
FBH-12M	1/2 inch Male by 1/2 inch Male Bulkhead
FBH-12M14F	1/2 inch Male 1/4 inch Female Bulkhead
FBH-12M38F	1/2 inch Male 3/8 inch Female Bulkhead
FBH-14F	1/4 inch Female 3/4-16 UNF Bulkhead
FBH-14X	1/4 inch Female 3/4-16 UNF 1 1/2 inch length Bulkhead
FBH-18F	1/8 Female 5/8-18 UNF Bulkhead
FBH-38F	3/8 inch Female 1/14 UNF Bulkhead
FBH-38F12M	3/8 inch Female by 1/2 inch Male Bulkhead
FBH-38F-E	3/8 inch Female by 3/8 inch Female Elbow Bulkhead

## EBHF SERIES



The EBHF Series is a tank flange 90° elbow Bulkhead. This series is available in Aluminum, Brass, and Stainless Steel. Female NPT thread sizes for this series are 1/4 inch, 3/8 inch, and 1/2 inch. Barb sizes for this series are 5/16 inch and 3/8 inch.

SKU	Description
EBHF-4F5B	1/4 inch Female NPT by 5/16 inch Barbed Bulkhead
EBHF-4FE5B	1/4 inch Female NPT by 5/16 inch Barbed 90° Elbow Bulkhead
EBHF-6FE6B	3/8 inch Female NPT by 3/8 inch Barbed 90° Elbow Brass Bulkhead
EBHF-6FE6B-SS	3/8 inch Female NPT by 3/8 inch Barbed 90° Elbow Stainless Steel Bulkhead
EBHF-8FE6B	1/2 inch Female NPT by 3/8 inch Barbed 90° Elbow Bulkhead



## BBE SERIES

Brass Bulkheads with Bite-Style Barbs. 10-32 inch UNF mounting Threads for 1/16 inch, .078 inch, and 3/32 inch. 1/4-28 inch mounting Thread with 1/16 inch thru hole to 5/32 inch Barb. 5/16-24 inch mounting Thread with a 1/16 inch thru hole to 3/16 inch Barb. 3/8-24 inch mounting Thread with a 1/16 inch thru hole to 3/8 inch Barb. Mixed sizes are available for Straight and Elbow models.

SKU	Description
BBE10-1B	10-32 by 1/16 Barbed Elbow Bulkhead
BBE10-332B	10-32 by 3/32 Barbed Elbow Bulkhead
BBE10-78B	10-32 by .078 Barbed Elbow Bulkhead
BBE14-170B	1/4-28 by .170 Barbed Elbow Bulkhead
BBE14-2B	1/4-28 by 1/8 Barbed Elbow Bulkhead
BBE14-532B	1/4-28 by 5/32 Barbed Elbow Bulkhead
BBE38-4B	3/8-24 by 1/4 Barbed Elbow Bulkhead
BBE516-170B	5/16-24 by .170 Barbed Elbow Bulkhead
BBE516-2B	5/16-24 by 1/8 Barbed Elbow Bulkhead
BBE516-532B	5/16-24 by 5/32 Barbed Elbow Bulkhead



## PMES SERIES

PMES Series Push-to-Connect to Male NPT Swivel Elbow connectors are available in Acetal and select sizes in Polypropylene, and Kynar®. Push-to-Connect sizes range from 5/32 inch to 1/2 inch and Threads range from 1/2 inch MNPT to 1/8 inch MNPT. Gray or White Acetal are NSF and FDA-approved and have Buna seals for air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene. For non-swivel elbows see **PME Series**.

SKU	Description
PMES-2M4	1/8 MNPT by 1/4 OD Swivel Elbow Push-to-Connect
PMES-2M532	1/8 MNPT by 5/32 OD Swivel Elbow Push-to-Connect
PMES-2M5	1/8 MNPT by 5/16 OD Swivel Elbow Push-to-Connect
PMES-2M6	1/8 MNPT by 3/8 OD Swivel Elbow Push-to-Connect
PMES-4M4	1/4 MNPT by 1/4 OD Swivel Elbow Push-to-Connect
PMES-4M532	1/4 MNPT by 5/32 OD Swivel Elbow Push-to-Connect
PMES-4M5	1/4 MNPT by 5/16 OD Swivel Elbow Push-to-Connect
PMES-4M6	1/4 MNPT by 3/8 OD Swivel Elbow Push-to-Connect
PMES-4M8	1/4 MNPT by 1/2 OD Swivel Elbow Push-to-Connect
PMES-6M4	3/8 MNPT by 1/4 OD Swivel Elbow Push-to-Connect
PMES-6M5	3/8 MNPT by 5/16 OD Swivel Elbow Push-to-Connect
PMES-6M6	3/8 MNPT by 3/8 OD Swivel Elbow Push-to-Connect
PMES-6M8	3/8 MNPT by 1/2 OD Swivel Elbow Push-to-Connect
PMES-8M8	1/2 MNPT by 1/2 OD Swivel Elbow Push-to-Connect





## PME SERIES

The PME Series Male Thread to Push-to-Connect Elbow connectors are available in Acetal and select sizes in Polypropylene, and PVDF. Push-in sizes range from 1/4 inch to 3/8 inch and Threads range from 3/8 inch MNPT to 1/8 inch MNPT. In addition, the Gray or White Acetal are NSF and FDA-approved and have Buna seals for air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Furthermore, the Maximum temperature is 140°F at 60 psi for Polypropylene.

SKU	Description
PME-2M4	1/8 MNPT by 1/4 OD Push-to-Connect Elbow
PME-4M4	1/4 MNPT by 1/4 OD Push-to-Connect Elbow
PME-4M5	1/4 MNPT by 5/16 OD Push-to-Connect Elbow
PME-4M6	1/4 MNPT by 3/8 OD Push-to-Connect Elbow
PME-6M4	3/8 MNPT by 1/4 OD Push-to-Connect Elbow
PME-6M5	3/8 MNPT by 5/16 OD Push-to-Connect Elbow
PME-6M6	3/8 MNPT by 3/8 OD Push-to-Connect Elbow
PME-6M8	3/8 MNPT by 1/2 OD Push-to-Connect Elbow

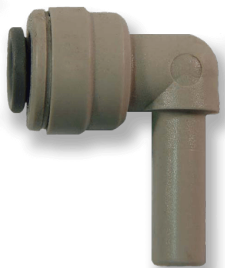
## PEB SERIES



The PEB Series Stem connector to Elbow Barbed Fittings comes in Acetal, Polypropylene, and Kynar® which can be added to a Push-to-Connect connector to terminate in a barbed connection for use with Polyethylene, Vinyl, or braided Vinyl tubing. Stem sizes range from 1/2 inch to 1/4 inch reducing to a 1/4 inch Barbed Fitting. Gray or White Acetal are NSF and FDA-approved and have Buna seals for air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
PEB-4	1/4 OD Stem by 1/4 Barb Elbow
PEB-4S5	1/4 OD Stem by 5/16 Barb Elbow
PEB-5	5/16 OD Stem by 5/16 Barb Elbow

SKU	Description
PEB-5S4	5/16 OD Stem by 1/4 Barb Elbow
PEB-5S5	5/16 OD Stem by 5/16 Barb Elbow
PEB-6	3/8 OD Stem by 3/8 Barb Elbow
PEB-6S4	3/8 OD Stem by 1/4 Barb Elbow
PEB-6S5	3/8 OD Stem by 5/16 Barb Elbow



## SPE SERIES

Push-to-Connect Elbow to Stem Swivel connectors available in Acetal, Polypropylene, and Kynar® can be added to any push-in connector to create a 90-degree connection. Stem sizes range from 1/2 inch to 5/32 inch OD. Push-in sizes of 1/2 inch to 5/32 inch. Use with Polyethylene, Brass, or Copper tubing. Gray or White Acetal are NSF and FDA-approved and have Buna seals for use in air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
SPE-3	3/16 Stem by 3/16 OD Elbow PBT
SPE-4	1/4 Stem by 1/4 OD Elbow PBT
SPE-4-6	1/4 Stem by 3/16 OD Elbow PBT
SPE-5	5/16 Stem by 5/16 OD Elbow PBT
SPE-532	5/32 Stem by 5/32 OD Elbow PBT
SPE-6	3/8 Stem by 3/8 OD Elbow PBT
SPE-6-3	3/8 Stem by 3/16 OD Elbow PBT
SPE-6-4	3/8 Stem by 1/4 OD Elbow PBT
SPE-6-5	3/8 Stem by 5/16 OD Elbow PBT
SPE-8	1/2 Stem by 1/2 OD Elbow PBT

## PE SERIES



Push-to-Connect Elbow connectors available in Acetal, Polypropylene, and Kynar® used to join tubing of Polyethylene, Brass, or Copper. Sizes range from 5/32 inch OD to 1/2 inch OD including reducing sizes. Gray or White Acetal are NSF and FDA-approved and have Buna seals for use in air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
PE-3	3/16 OD Push-to-Connect Elbow
PE-4	1/4 OD Push-to-Connect Elbow
PE-532	5/32 OD Push-to-Connect Elbow
PE-5-3	5/16 OD by 3/16 OD Push-to-Connect Elbow
PE-5-4	5/16 OD by 1/4 OD Push-to-Connect Elbow
PE-5-532	5/16 OD by 5/32 OD Push-to-Connect Elbow
PE-5	5/16 OD Push-to-Connect Elbow
PE-6-3	3/8 OD by 3/16 OD Push-to-Connect Elbow
PE-6-4	3/8 OD by 1/4 OD Push-to-Connect Elbow
PE-6-5	3/8 OD by 5/16 OD Push-to-Connect Elbow
PE-6	3/8 OD OD Push-to-Connect Elbow PP PVDF
PE-8-6	1/2 OD by 3/8 OD Push-to-Connect Elbow