



**PRODUCT CATALOG
VOL 5**

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Performance and Safety

Phenix Hose products have been tested through independent ASTM laboratories to meet all SAE-30R7 standards. Our double braided stainless hoses are engineered to be dimensionally consistent and easier to assemble with re-usable fittings to deliver hydrocarbon and alcohol based fuels, motor oils, and coolant.. The enhanced curing process of the hose uniformly applies the glue and adhesion of glue between the stainless braid and the CPE (chlorinated polyethylene) inner core. This reduces the frays and spreads associated with cut stainless braided hose products.

Operating temperatures are from **-40° to 350°+ F.**

DOUBLE BRAIDED STAINLESS CPE HOSE



Size	Part No.	Inside Diameter	Outside Diameter	Max PSI	Min Bend Radius
-04	K104	0.22	0.44	1500	2"
-06	K106	0.34	0.55	1500	2.5"
-08	K108	0.43	0.64	1500	3.5"
-10	K110	0.56	0.79	1250	4"
-12	K112	0.69	0.94	1000	4.5"
-16	K116	0.88	1.16	750	5.5"
-20	K120	1.125	1.410	500	8"

Lightweight Advantage

Our black nylon braided hose is constructed of a high grade CPE inner core surrounded by lightweight stainless center braid and a tightly woven black nylon outer braid. This combination gives superior strength and a lighter weight. Not recommended for high vacuum applications without using an inner spring support.

Operating temperatures are from **-40° to 350°+ F**

BLACK BRAIDED NYLON CPE HOSE



Size	Part No.	Inside Diameter	Outside Diameter	Max PSI	Min Bend Radius
-04	K404	0.22	0.44	750	2"
-06	K406	0.34	0.55	750	2.5"
-08	K408	0.43	0.64	750	3.5"
-10	K410	0.56	0.79	600	4"
-12	K412	0.69	0.94	500	4.5"
-16	K416	0.88	1.16	350	5.5"
-20	K420	1.125	1.410	350	8"

E85 Compatible

This hose features an inner liner of fluoropolymer elastomer (FKM) that has been certified to effectively end the problem of fuel and additive vapors seeping through CPE rubber fuel hoses. This new hose come in black nylon featuring a single strand of grey in the weave to distinguish it from ordinary hose.

Operating temperatures are from **-40° to 350°+ F**

BLACK NYLON DOUBLE BRAIDED STAINLESS INNER HOSE E85 COMPATIBLE



Size	Part No.	Inside Diameter	Outside Diameter	Max PSI	Min Bend Radius
-06	K4406	0.34	0.55	750	2.5"
-08	K4408	0.43	0.64	750	3.5"
-10	K4410	0.56	0.79	600	4"



Compatible Hose Ends

The following hose ends are compatible with the above listed hoses:

- **Full Swivel** Compression Hose Ends
- **Full Swivel** Crimped Hose Ends (J4 Series)

Phenix **full swivel compression hose ends** are constructed from lightweight 6061T6 aluminum and designed for smooth flow, easy assembly, and longer life. O-ring seals allow 360° rotation. 37° AN flare assures leak proof sealing surface eliminating the need for taping. Compatible with all AN adapter fittings.

COMPRESSION HOSE END



Size	Red/Blue	Black	Clear
-04	J400-2	J400-3	J400-5
-06	J600-2	J600-3	J600-5
-08	J800-2	J800-3	J800-5
-10	J1000-2	J1000-3	J1000-5
-12	J1200-2	J1200-3	J1200-5
-16	J1600-2	J1600-3	J1600-5
-20	J2000-2	J2000-3	J2000-5

30° COMPRESSION HOSE END



Size	Red/Blue	Black	Clear
-04	J430-2	J430-3	J430-5
-06	J630-2	J630-3	J630-5
-08	J830-2	J830-3	J830-5
-10	J1030-2	J1030-3	J1030-5
-12	J1230-2	J1230-3	J1230-5
-16	J1630-2	J1630-3	J1630-5
-20	J2030-2	J2030-3	J2030-5



45° COMPRESSION HOSE END



Size	Red/Blue	Black	Clear
-04	J445-2	J445-3	J445-5
-06	J645-2	J645-3	J645-5
-08	J845-2	J845-3	J845-5
-10	J1045-2	J1045-3	J1045-5
-12	J1245-2	J1245-3	J1245-5
-16	J1645-2	J1645-3	J1645-5
-20	J2045-2	J2045-3	J2045-5

60° COMPRESSION HOSE END



Size	Red/Blue	Black	Clear
-04	J460-2	J460-3	J460-5
-06	J660-2	J660-3	J660-5
-08	J860-2	J860-3	J860-5
-10	J1060-2	J1060-3	J1060-5
-12	J1260-2	J1260-3	J1260-5
-16	J1660-2	J1660-3	J1660-5
-20	J2060-2	J2060-3	J2060-5

90° COMPRESSION HOSE END



Size	Red/Blue	Black	Clear
-04	J490-2	J490-3	J490-5
-06	J690-2	J690-3	J690-5
-08	J890-2	J890-3	J890-5
-10	J1090-2	J1090-3	J1090-5
-12	J1290-2	J1290-3	J1290-5
-16	J1690-2	J1690-3	J1690-5
-20	J2090-2	J2090-3	J2090-5

120° COMPRESSION HOSE END



Size	Red/Blue	Black	Clear
-04	J4120-2	J4120-3	J4120-5
-06	J6120-2	J6120-3	J6120-5
-08	J8120-2	J8120-3	J8120-5
-10	J10120-2	J10120-3	J10120-5
-12	J12120-2	J12120-3	J12120-5
-16	J16120-2	J16120-3	J16120-5
-20	J20120-2	J20120-3	J20120-5

150° COMPRESSION HOSE END



Size	Red/Blue	Black	Clear
-04	J4150-2	J4150-3	J4150-5
-06	J6150-2	J6150-3	J6150-5
-08	J8150-2	J8150-3	J8150-5
-10	J10150-2	J10150-3	J10150-5
-12	J12150-2	J12150-3	J12150-5
-16	J16150-2	J16150-3	J16150-5
-20	J20150-2	J20150-3	J20150-5

180° COMPRESSION HOSE END



Size	Red/Blue	Black	Clear
-04	J4180-2	J4180-3	J4180-5
-06	J6180-2	J6180-3	J6180-5
-08	J8180-2	J8180-3	J8180-5
-10	J10180-2	J10180-3	J10180-5
-12	J12180-2	J12180-3	J12180-5
-16	J16180-2	J16180-3	J16180-5
-20	J20180-2	J20180-3	J20180-5

Our crimped swivel hose ends are for braided stainless and black nylon CPE hose. A light weight alternative to the standard hose ends. Features black fittings with raw aluminum crimp sleeves to reduce cosmetic marring during crimping.

CRIMPED HOSE END



Size	Black
-04	J44-35
-06	J46-35
-08	J48-35
-10	J410-35
-12	J412-35
-16	J416-35

30° CRIMPED HOSE END



Size	Black
-04	J4430-35
-06	J4630-35
-08	J4830-35
-10	J41030-35
-12	J41230-35
-16	J41630-35

45° CRIMPED HOSE END



Size	Black/
-04	J4445-35
-06	J4645-35
-08	J4845-35
-10	J41045-35
-12	J41245-35
-16	J41645-35

60° CRIMPED HOSE END



Size	Black
-04	J4460-35
-06	J4660-35
-08	J4860-35
-10	J41060-35
-12	J41260-35
-16	J41660-35

90° CRIMPED HOSE END



Size	Black
-04	J4490-35
-06	J4690-35
-08	J4890-35
-10	J41090-35
-12	J41290-35
-16	J41690-35

120° CRIMPED HOSE END



Size	Black
-04	J44120-35
-06	J46120-35
-08	J48120-35
-10	J410120-35
-12	J412120-35
-16	J416120-35

150° CRIMPED HOSE END



Size	Black
-04	J44150-35
-06	J46150-35
-08	J48150-35
-10	J410150-35
-12	J412150-35
-16	J416150-35

180° CRIMPED HOSE END



Size	Black
-04	J44180-35
-06	J46180-35
-08	J48180-35
-10	J410180-35
-12	J412180-35
-16	J416180-35

CRIMP SLEEVE



Size	
-04	J444-5
-06	J466-5
-08	J488-5
-10	J41010-5
-12	J41212-5
-16	J41616-5



Push-On Flexibility

Designed for reduced weight and increased flexibility, Phenix Push-On Hose features a Class A high oil resistant nitrile inner tube with a reinforcing two spiral aramid fiber and a nitrile/PVC cover resistant to oil and petroleum based products. Our Push-On Hose is compatible with a wide range of oils and fuels, however is *NOT recommended for use with unleaded gasoline*.

DO NOT USE with brake fluids or power steering fluids.

Operating temperatures are from -30° to +160° F

PUSH-ON HOSE



Size	Part No.	Inside Diameter	Outside Diameter	Max PSI	Min Bend Radius
-04	K204-3	0.25	0.469	250	2.5"
-06	K206-3	0.375	0.625	250	3"
-08	K208-3	0.50	0.75	250	5"
-10	K210-3	0.625	0.938	250	6"
-12	K212-3	0.75	1.03	250	7"

STAINLESS SAFETY CLAMPS FOR PUSH-LOK



Compatible Hose Ends

The following hose ends are compatible with the above listed hose:

- Push-Lok **Non-Swivel** (J3 Series)



Pkg of 4

Size	Stainless
-04	M2194-11
-06	M2196-11
-08	M2198-11
-10	M21910-11
-12	M2192-11

STRAIGHT PUSH-LOK HOSE END



Size	Red/Blue	Black	Clear
-04	J3400-2	J3400-3	J3400-5
-06	J3600-2	J3600-3	J3600-5
-08	J3800-2	J3800-3	J3800-5
-10	J31000-2	J31000-3	J31000-5
-12	J31200-2	J31200-3	J31200-5

30° PUSH-LOK HOSE END



Size	Red/Blue	Black	Clear
-04	J3430-2	J3430-3	J3430-5
-06	J3630-2	J3630-3	J3630-5
-08	J3830-2	J3830-3	J3830-5
-10	J31030-2	J31030-3	J31030-5
-12	J31230-2	J31230-3	J31230-5

45° PUSH-LOK HOSE END



Size	Red/Blue	Black	Clear
-04	J3445-2	J3445-3	J3445-5
-06	J3645-2	J3645-3	J3645-5
-08	J3845-2	J3845-3	J3845-5
-10	J31045-2	J31045-3	J31045-5
-12	J31245-2	J31245-3	J31245-5

60° PUSH-LOK HOSE END



Size	Red/Blue	Black	Clear
-04	J3460-2	J3460-3	J3460-5
-06	J3660-2	J3660-3	J3660-5
-08	J3860-2	J3860-3	J3860-5
-10	J31060-2	J31060-3	J31060-5
-12	J31260-2	J31260-3	J31260-5

90° PUSH-LOK HOSE END



Size	Red/Blue	Black	Clear
-04	J3490-2	J3490-3	J3490-5
-06	J3690-2	J3690-3	J3690-5
-08	J3890-2	J3890-3	J3890-5
-10	J31090-2	J31090-3	J31090-5
-12	J31290-2	J31290-3	J31290-5

120° PUSH-LOK HOSE END



Size	Red/Blue	Black	Clear
-04	J34120-2	J34120-3	J34120-5
-06	J36120-2	J36120-3	J36120-5
-08	J38120-2	J38120-3	J38120-5
-10	J310120-2	J310120-3	J310120-5
-12	J312120-2	J312120-3	J312120-5

150° PUSH-LOK HOSE END



Size	Red/Blue	Black	Clear
-04	J34150-2	J34150-3	J34150-5
-06	J36150-2	J36150-3	J36150-5
-08	J38150-2	J38150-3	J38150-5
-10	J310150-2	J310150-3	J310150-5
-12	J312150-2	J312150-3	J312150-5

180° PUSH-LOK HOSE END



Size	Red/Blue	Black	Clear
-04	J34180-2	J34180-3	J34180-5
-06	J36180-2	J36180-3	J36180-5
-08	J38180-2	J38180-3	J38180-5
-10	J310180-2	J310180-3	J310180-5
-12	J312180-2	J312180-3	J312180-5



High Pressure PTFE Hose

Corrosion resistant PTFE (polytetrafluoroethylene) inner tube reinforced with a 308 stainless steel outer braid delivers dependable performance for brake lines, clutches, and gas shocks. Stainless steel braid protects critical fluids from heat, abrasion, and line expansion to achieve superior performance.

Operating temperature are from **-65°F to 450°F**

STAINLESS BRAIDED PTFE HOSE



Size	Uncoated	Black Coated	Clear Coated	ID	OD	Max PSI
-03	K303	K303-3	K303-5	0.12	0.24	3000
-04	K304	K304-3	K304-5	0.19	0.31	3000
-06*	K306	-	-	0.31	0.45	2500
-08*	K308	-	-	0.41	0.55	2500
-10*	K310	-	-	0.50	0.648	1500
-12*	K312	-	-			
-16*	K316	-	-			

*Indicates conductive PTFE inner tube. Conductive PTFE hoses are those that have a conductive resin liner, which allows them to conduct electricity. This type of hose is often used in applications that require grounding. The conductive lining provides a path for static electricity to dissipate from the hose, preventing the buildup of static charge. The buildup of static charge can be dangerous in certain applications where a spark could ignite the fuel and cause an explosion, which makes the conductive liner ideal for use in fuel lines running gas, E85, methanol and more.

The conductive liner in PTFE hoses is usually made of carbon black, which imparts conductivity to the PTFE material and gives it a distinct grey tint. The liner is embedded in the PTFE material during the manufacturing process, ensuring uniform conductivity throughout the length of the hose.



Compatible Hose Ends

The following hose ends are compatible with the above listed hoses:

- Reusable PTFE Aluminum Hose Ends (J0 Series)
- Reusable Banjo Hose Ends (J0 Series)
- Crimped Aluminum Hose Ends (J7 Series)
- Crimped Steel & Stainless Hose Ends (G Series)
- Crimped Banjo Hose Ends (G Series)

STRAIGHT PTFE HOSE END



Size	Red/Blue	Black	Clear	Steel	Black Steel	Stainless
-03	J0300-2	J0300-3	J0300-5	J0300-7	J0300-8	J0300-11
-04	J0400-2	J0400-3	J0400-5	J0400-7	J0400-8	J0400-11
-06	J0600-2	J0600-3	J0600-5	-	-	-
-08	J0800-2	J0800-3	J0800-5	-	-	-
-10	J01000-2	J01000-3	J01000-5	-	-	-

30° PTFE HOSE END



Size	Red/Blue	Black	Clear
-03	J0330-2	J0330-3	J0330-5
-04	J0430-2	J0430-3	J0430-5
-06	J0630-2	J0630-3	J0630-5
-08	J0830-2	J0830-3	J0830-5
-10	J01030-2	J01030-3	J01030-5

45° PTFE SWIVEL HOSE END



Size	Red/Blue	Black	Clear
-03	J0345-2	J0345-3	J0345-5
-04	J0445-2	J0445-3	J0445-5
-06	J0645-2	J0645-3	J0645-5
-08	J0845-2	J0845-3	J0845-5
-10	J01045-2	J01045-3	J01045-5



60° PTFE HOSE END



Size	Red/Blue	Black	Clear
-03	J0360-2	J0360-3	J0360-5
-04	J0460-2	J0460-3	J0460-5
-06	J0660-2	J0660-3	J0660-5
-08	J0860-2	J0860-3	J0860-5
-10	J01060-2	J01060-3	J01060-5

90° PTFE HOSE END



Size	Red/Blue	Black	Clear
-03	J0390-2	J0390-3	J0390-5
-04	J0490-2	J0490-3	J0490-5
-06	J0690-2	J0690-3	J0690-5
-08	J0890-2	J0890-3	J0890-5
-10	J01090-2	J01090-3	J01090-5

120° PTFE HOSE END



Size	Red/Blue	Black	Clear
-03	J03120-2	J03120-3	J03120-5
-04	J04120-2	J04120-3	J04120-5
-06	J06120-2	J06120-3	J06120-5
-08	J08120-2	J08120-3	J08120-5
-10	J010120-2	J010120-3	J010120-5

150° PTFE HOSE END



Size	Red/Blue	Black	Clear
-03	J03150-2	J03150-3	J03150-5
-04	J04150-2	J04150-3	J04150-5
-06	J06150-2	J06150-3	J06150-5
-08	J08150-2	J08150-3	J08150-5
-10	J010150-2	J010150-3	J010150-5

180° PTFE HOSE END



REPLACEMENT OLIVES FOR ALUMINUM PTFE HOSE END



Size	Red/Blue	Black	Clear
-03	J03180-2	J03180-3	J03180-5
-04	J04180-2	J04180-3	J04180-5
-06	J06180-2	J06180-3	J06180-5
-08	J08180-2	J08180-3	J08180-5
-10	J010180-2	J010180-3	J010180-5

Size	Pkg of	Aluminum
-03	2	G0398-0
-04	2	G0498-0
-06	2	G0698-0
-08	2	G0898-0
-10	2	G1098-0

FORGED 45° PTFE HOSE END



Size	Steel	Black Steel	Stainless
-03	J03451-7	J03451-8	J03451-11
-04	J04451-7	J04451-8	J04451-11
-06	J06451-7	J06451-8	J06451-11

FORGED 90° PTFE HOSE END



Size	Steel	Black Steel	Stainless
-03	J03901-7	J03901-8	J03901-11
-04	J04901-7	J04901-8	J04901-11
-06	J06901-7	J06901-8	J06901-11



REUSABLE BANJO HOSE END



Hose Size	Banjo Size	Steel	Black Steel	Stainless
-03	10 MM - 3/8	J0313-7	J0313-8	J0313-11
-03	7/16	J0311-7	J0311-8	J0311-11

20° BANJO HOSE END



Hose Size	Banjo Size	Steel	Black Steel	Stainless
-03	10 MM - 3/8	J031020-7	J031020-8	J031020-11

30° BANJO HOSE END



Hose Size	Banjo Size	Steel	Black Steel	Stainless
-03	10 MM - 3/8	J031030-7	J031030-8	J031030-11

45° BANJO HOSE END



Hose Size	Banjo Size	Steel	Black Steel	Stainless
-03	10 MM - 3/8	J031045-7	J031045-8	J031045-11
-03	7/16	J031245-7	J031245-8	J031245-11

90° BANJO HOSE END



Size	Banjo Size	Steel	Black Steel	Stainless
-03	10 MM - 3/8	J031090-7	J031090-8	J031090-11
-03	7/16	J031290-7	J031290-8	J031290-11

TWIN BANJO HOSE END



Size	Banjo Size	Stainless
-03	10 MM - 3/8	J0323-11
-03	7/16	J0321-11

Lightweight Durability

Our non-swivel aluminum hose ends for PTFE are the lightest possible design for application where weight is a major concern.

PTFE CRIMPED HOSE END



Size	Black/Clear
-04	J74-35
-06	J76-35
-08	J78-35
-10	J710-35
-12	J712-35
-16	J716-35

PTFE 30° CRIMPED HOSE END



Size	Black/Clear
-04	J7430-35
-06	J7630-35
-08	J7830-35
-10	J71030-35

PTFE 45° CRIMPED HOSE END



Size	Black/Clear
-04	J7445-35
-06	J7645-35
-08	J7845-35
-10	J71045-35
-12	J71245-35
-16	J71645-35

PTFE 60° CRIMPED HOSE END



Size	Black/Clear
-04	J7460-35
-06	J7660-35
-08	J7860-35
-10	J71060-35



PTFE 90° CRIMPED HOSE END



Size	Black/Clear
-04	J7490-35
-06	J7690-35
-08	J7890-35
-10	J71090-35
-12	J71290-35
-16	J71690-35

PTFE 120° CRIMPED HOSE END



Size	Black/Clear
-04	J74120-35
-06	J76120-35
-08	J78120-35
-10	J710120-35
-12	J712120-35
-16	J716120-35

PTFE 150° CRIMPED HOSE END



Size	Black/Clear
-04	J74150-35
-06	J76150-35
-08	J78150-35
-10	J710150-35
-12	J712150-35
-16	J716150-35

PTFE 180° CRIMPED HOSE END



Size	Black/Clear
-04	J74180-35
-06	J76180-35
-08	J78180-35
-10	J710180-35
-12	J712180-35
-16	J716180-35

CRIMP SLEEVE



Size	Black/Clear
-04	J744-5
-06	J766-5
-08	J788-5
-10	J71010-5
-12	J71212-5
-16	J71616-5

STRAIGHT CRIMP PTFE HOSE END



Size	Nut	Steel	Black Steel	Stainless
-03	-03	G300-7	G300-8	G300-11
-04	-03	G340-7	-	G340-11
-04	-04	G400-7	G400-8	G400-11
-06	-03	G600-7	G600-8	G600-11

45° CRIMP PTFE HOSE END



Size	Steel	Black Steel	Stainless
-03	G345-7	G345-8	G345-11
-04	G445-7	G445-8	G445-11
-06	G645-7	G645-8	G645-11

90° CRIMP PTFE HOSE END



Size	Steel	Black Steel	Stainless
-03	G390-7	G390-8	G390-11
-04	G490-7	G490-8	G490-11
-06	G690-7	G690-8	G690-11

REPLACEMENT CRIMP FERRULE



Size	Stainless
-03	G310-11
-04	G410-11
-06	G610-11



STRAIGHT CRIMPED BANJO HOSE END



Size	Banjo Size	Steel	Black Steel	Stainless
-03	10 MM - 3/8	G1003-7	G1003-8	G1003-11

45° CRIMPED BANJO HOSE END



Size	Banjo Size	Steel	Black Steel	Stainless
-03	10 MM - 3/8	G104503-7	G104503-8	G104503-11

90° CRIMPED BANJO HOSE END



Size	Banjo Size	Steel	Black Steel	Stainless
-03	10 MM - 3/8	G109003-7	G109003-8	G109003-11

High Temperature AS1072 Aero-space Grade Fire Sleeve

Our **Aero Fire Sleeve** is engineered from a dense braided fiberglass sleeve and a thick coating of self-extinguishing high temperature silicone rubber that withstands 500°F continuous exposure, and molten splash up to 2,000°F.

Aero Fire Sleeve meets the specification of AS1072, allowing qualified hose assemblies to pass the fire resistance resting specification of AS1055D.

- **Stable to 500°F**
- **Jacketed with a non-permeable, heavy silicone coating that is flexible enough to follow tight radius curves**
- **Contains radiant heat to prevent damage to nearby components**
- **Resists gasoline and engine chemicals**
- **Cut and abrasion resistant**



TECH TIP

Every fire sleeve installation should be completed by sealing both ends of the hose assembly with silicone tape to ensure nothing burns inside of the sleeve.

AERO FIRE SLEEVE



Part #	ID	Wall Thickness	Compatible Phenix Hose
K7038-3	3/8"	.115"	PTFE -03, -04
K7050-3	1/2"	.115"	PTFE -06 CPE -04
K7063-3	5/8"	.115"	PTFE -08 CPE -06
K7075-3	3/4"	.115"	CPE -08
K7088-3	7/8"	.115"	CPE -10
K7100-3	1"	.115"	CPE -12
K7125-3	1-1/4"	.115"	CPE -16
K7150-3	1-1/2"	.115"	CPE -20

SELF-FUSING SILICONE TAPE

Part #	Width	Wall Thickness	Type	Color	Length	Insulation Class*
K7001-3	1"	0.040"	Rectangle	Black	36'	B - 266°F (130°C)

*The temperature classification indicates the maximum (hot spot) temp at which the insulation system can be operated for normal expected service life. 20,000 HR Life Temp.



FireFlex® self-fusing silicone tape is a unique adhesive free product that quickly fuses to itself to create a moisture and corrosion resistant continuous seal for electrical insulation, pipe and hose repair, or anywhere a quick and residue free wrap is needed. FireFlex® Silicone Tape creates an airtight/watertight seal around even irregularly shaped applications, and the high insulation values make it useful in repairing cracked or damaged insulation in Class A and B applications.

Resistant to engine fluids, solvents, high-heat, and molten metal splashes, FireFlex® tape can withstand the harshest of environments. A wide operating temperature of -85°F to 500°F makes it excellent for automotive, industrial, and marine applications, as well as a perfect end termination for our FireFlex® Silicone Sleeving.

- **A-A-59163**
- **Mil-I-46852**
- **No Adhesive, Bonds Only to Itself**
- **Cures in 24 Hours at Room Temperature**



AN Fittings

AN (Army-Navy) fitting sizing refers to a standardized system used to identify the size of aircraft and military fluid line components, including hoses, fittings, and connectors. These fittings are primarily used for fuel, hydraulic, and other fluid systems in aerospace, military, and high-performance automotive applications. The AN fitting system was developed by the U.S. military and is based on precise measurements and tolerances to ensure proper fluid flow and safety. Here's a breakdown of how AN fitting sizing works:

Dash Number System

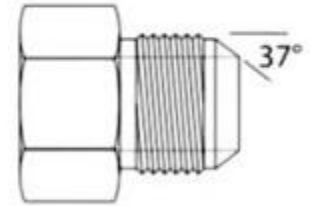
AN sizes are designated by a "dash number," which corresponds to the outer diameter of the fitting or hose in sixteenths of an inch. For example:

AN -04: This refers to a fitting or hose with an outer diameter of 4/16", or 1/4 inch (0.250").

AN -06: This refers to a fitting or hose with an outer diameter of 6/16", or 3/8 inch (0.375").

AN -08: This refers to a fitting or hose with an outer diameter of 8/16", or 1/2 inch (0.500").

The dash number (e.g., AN -04, AN -06, AN -08, etc.) refers to the size of the hose or fitting in 1/16" increments.



Thread Size

AN fittings have specific thread types made to tight tolerances to ensure a leak-proof seal. For example:

AN -04 fittings generally have a 7/16"-20 UNJ thread (fine threads with 20 threads per inch).

AN -06 fittings usually have a 9/16"-18 UNJ thread.

AN -08 fittings typically have a 3/4"-16 UNJ thread.

Flare Type

AN fittings use a 37° flare on the mating surfaces. The 37° flare ensures a tight seal and is critical in high-pressure systems.

AN Size	Thread Size (UNJ)	Hose Size	Max Torque (FT LBS)	B Nut Size	Closest NPT Size
-03	3/8-24	3/16	8.75	1/2	-
-04	7/16-20	1/4	11.5	9/16	1/8
-06	9/16-18	3/8	16.25	11/16	1/4
-08	3/4-16	1/2	29	7/8	3/8
-10	7/8-14	5/8	35	1	1/2
-12	1-1/16	3/4	45	1-1/4	3/4
-16	1-5/16	1	70	1-1/2	1
-20	1-5/8	1-1/4	85	1-13/16	1-1/4

Choosing the right fitting finish and material not only enhances the look of a build, but also ensures long-term reliability, especially in harsh environments where different fuel types, heat or chemicals are present.



BLACK ANODIZED - All aluminum black parts are type 2 anodized for added durability and color retention; all black fittings are identified by -3 at the end of the part number.



BLUE ANODIZED - All aluminum blue parts are type 2 anodized for added durability and color retention; all blue fittings are identified by -4 at the end of the part number.



CLEAR ANODIZED - All aluminum clear parts are type 2 anodized for added durability and color retention; all clear fittings are identified by -5 at the end of the part number.



STEEL - Steel parts are plated in a zinc or Iridite finish for corrosion resistance and used primarily in brake and clutch applications. Steel fittings are identified by a -7 at the end of the part number.



BLACK STEEL - Black steel is a new black zinc plating process to meet the demand of black fittings with the high corrosion resistance and strength of steel. Black steel parts are identified by a -8 at the end of the part number.



STAINLESS STEEL - Conventional fittings made of steel in brake plumbing and hydraulic applications have a tendency to rust internally and contaminate the hydraulic fluids. Using Stainless Steel is one more way to add reliability to our systems. All Stainless fittings are identified by a -11 at the end of the part number.

Quick Disconnect

Dry Break Fittings

Quick disconnect aluminum fittings (also known as dry break fittings) enable fast removal of brake, fuel, and oil lines without loss of fluid. Commonly used in WRC, Touring Car, Rally Cross, Drag & Circuit Racing to remove components such as turbos or oil coolers fast and efficiently.



QUICK DISCONNECT DRY BREAK FITTING



AN	Application	Black
-03	Brake	DBB33-3
-04	Brake	DBB44-3
-04	Fuel	DBF44-3
-06	Fuel	DBF66-3
-08	Fuel	DBF88-3
-10	Fuel	DBF1010-3
-12	Fuel	DBF1212-3



AN MALE UNION



AN	Black	Blue	Clear	Steel	Black Steel	Stainless
-03	A33-3	A33-4	A33-5	A33-7	A33-8	A33-11
-04	A44-3	A44-4	A44-5	-	-	-
-06	A66-3	A66-4	A66-5	-	-	-
-08	A88-3	A88-4	A88-5	-	-	-
-10	A1010-3	A1010-4	A1010-5	-	-	-
-12	A1212-3	A1212-4	A1212-5	-	-	-
-16	A1616-3	A1616-4	A1616-5	-	-	-
-20	A2020-3	A2020-4	A2020-5	-	-	-

AN MALE REDUCER



AN	AN	Black	Blue	Clear	Stainless
-04	-03	A43-3	A43-4	A43-5	A43-11
-06	-03	A63-3	A63-4	A63-5	-
-06	-04	A64-3	A64-4	A64-5	-
-08	-04	A84-3	A84-4	A84-5	-
-08	-06	A86-3	A86-4	A86-5	-
-10	-06	A106-3	A106-4	A106-5	-
-10	-08	A108-3	A108-4	A108-5	-
-12	-06	A126-3	A126-4	A126-5	-
-12	-08	A128-3	A128-4	A128-5	-
-12	-10	A1210-3	A1210-4	A1210-5	-
-16	-10	A1610-3	A1610-4	A1610-5	-
-16	-12	A1612-3	A1612-4	A1612-5	-
-20	-12	A2012-3	A2012-4	A2012-5	-
-20	-16	A2016-3	A2016-4	A2016-5	-

45° AN UNION



AN	Black	Blue	Clear
-03	A345-3	A345-4	A345-5
-04	A445-3	A445-4	A445-5
-06	A645-3	A645-4	A645-5
-08	A845-3	A845-4	A845-5
-10	A1045-3	A1045-4	A1045-5
12	A1245-3	A1245-4	A1245-5
-16	A1645-3	A1645-4	A1645-5

90° AN UNION



AN	Black	Blue	Clear
-03	A390-3	A390-4	A390-5
-04	A490-3	A490-4	A490-5
-06	A690-3	A690-4	A690-5
-08	A890-3	A890-4	A890-5
-10	A1090-3	A1090-4	A1090-5
-12	A1290-3	A1290-4	A1290-5
-16	A1690-3	A1690-4	A1690-5

AN TEE



AN	Black	Blue	Clear	Stainless
-03	A324-3	A324-4	A324-5	A324-11
-04	A424-3	A424-4	A424-5	-
-06	A624-3	A624-4	A624-5	-
-08	A824-3	A824-4	A824-5	-
-10	A1024-3	A1024-4	A1024-5	-
-12	A1224-3	A1224-4	A1224-5	-
-16	A1624-3	A1624-4	A1624-5	-

STEPPED AN TEE ON THE RUN



AN	AN	AN	Black	Blue	Clear
-08	-08	-04	A8424-3	A8424-4	A8424-5





Phenix manufactures all of our female AN sockets with an O-Ring seat. This O-Ring seals on the OD of the male fitting adding protection against leakage. The O-Ring contact also reduces the possibility of loosening due to vibration.

AN FEMALE TO AN MALE EXPANDER 1 PIECE



Includes O-Ring

Female	Male	Black	Blue	Clear
-03	-04	C134-3	C134-4	C134-5
-03	-06	C136-3	C136-4	C136-5
-04	-06	C146-3	C146-4	C146-5
-04	-08	C148-3	C148-4	C148-5
-06	-08	C168-3	C168-4	C168-5
-06	-10	C10610-3	C10610-4	C10610-5
-08	-10	C10810-3	C10810-4	C10810-5
-08	-12	C10812-3	C10812-4	C10812-5
-10	-12	C11012-3	C11012-4	C11012-5
-10	-16	C11016-3	C11016-4	C11016-5
-12	-16	C11216-3	C11216-4	C11216-5
-16	-20	C11620-3	C11620-4	C11620-5

AN FEMALE TO AN MALE REDUCER 1 PIECE



Includes O-Ring

Female	Male	Black	Blue	Clear
-04	-03	C43-3	C43-4	C43-5
-06	-03	C63-3	C63-4	C63-5
-06	-04	C64-3	C64-4	C64-5
-08	-04	C84-3	C84-4	C84-5
-08	-06	C86-3	C86-4	C86-5
-10	-04	C104-3	C104-4	C104-5
-10	-06	C106-3	C106-4	C106-5
-10	-08	C108-3	C108-4	C108-5
-12	-08	C128-3	C128-4	C128-5
-12	-10	C1210-3	C1210-4	C1210-5
-16	-10	C1610-3	C1610-4	C1610-5
-16	-12	C1612-3	C1612-4	C1612-5



45° AN FEMALE TO MALE SWIVEL FORGED



AN	Black	Blue	Clear
-03	C0345-3	C0345-4	C0345-5
-04	C0445-3	C0445-4	C0445-5
-06	C0645-3	C0645-4	C0645-5
-08	C0845-3	C0845-4	C0845-5
-10	C01045-3	C01045-4	C01045-5
-12	C01245-3	C01245-4	C01245-5
-16	C01645-3	C01645-4	C01645-5

90° AN FEMALE TO MALE SWIVEL FORGED



AN	Black	Blue	Clear
-03	C0347-3	C0347-4	C0347-5
-04	C0447-3	C0447-4	C0447-5
-06	C0647-3	C0647-4	C0647-5
-08	C0847-3	C0847-4	C0847-5
-10	C1047-3	C1047-4	C1047-5
-12	C1247-3	C1247-4	C1247-5
-16	C1647-3	C1647-4	C1647-5

AN TEE FEMALE SWIVEL ON BRANCH



AN	Black	Blue	Clear
-03	C0343-3	C0343-4	C0343-5
-04	C0443-3	C0443-4	C0443-5
-06	C0643-3	C0643-4	C0643-5
-08	C0843-3	C0843-4	C0843-5
-10	C1043-3	C1043-4	C1043-5
-12	C1243-3	C1243-4	C1243-5
-16	C1643-3	C1643-4	C1643-5

AN TEE FEMALE SWIVEL ON RUN



AN	Black	Blue	Clear
-03	C0344-3	C0344-4	C0344-5
-04	C0444-3	C0444-4	C0444-5
-06	C0644-3	C0644-4	C0644-5
-08	C0844-3	C0844-4	C0844-5
-10	C1044-3	C1044-4	C1044-5
-12	C1244-3	C1244-4	C1244-5
-16	C1644-3	C1644-4	C1644-5



STRAIGHT AN BULKHEAD FITTING



Includes Nut

AN	Black	Blue	Clear	Steel	Blk Steel	Stainless
-03	A2332-3	A2332-4	A2332-5	A2332-7	A2332-8	A2332-11
-04	A2432-3	A2432-4	A2432-5	-	-	-
-06	A2632-3	A2632-4	A2632-5	-	-	-
-08	A2832-3	A2832-4	A2832-5	-	-	-
-10	A21032-3	A21032-4	A21032-5	-	-	-
-12	A21232-3	A21232-4	A21232-5	-	-	-
-16	A21632-3	A21632-4	A21632-5	-	-	-
-20	A22032-3	A22032-4	A22032-5	-	-	-

45° AN BULKHEAD FITTING



Includes Nut

AN	Black	Blue	Clear	Steel	Blk Steel	Stainless
-03	A2337-3	A2337-4	A2337-5	A2337-7	A2337-8	A2337-11
-04	A2437-3	A2437-4	A2437-5	-	-	-
-06	A2637-3	A2637-4	A2637-5	-	-	-
-08	A2837-3	A2837-4	A2837-5	-	-	-
-10	A21037-3	A21037-4	A21037-5	-	-	-
-12	A21237-3	A21237-4	A21237-5	-	-	-
-16	A21637-3	A21637-4	A21637-5	-	-	-
-20	A22037-3	A22037-4	A22037-5	-	-	-

90° AN BULKHEAD FITTING



Includes Nut

AN	Black	Blue	Clear	Steel	Blk Steel	Stainless
-03	A333-3	A333-4	A333-5	A333-7	A333-8	A333-11
-04	A433-3	A433-4	A433-5	-	-	-
-06	A633-3	A633-4	A633-5	-	-	-
-08	A833-3	A833-4	A833-5	-	-	-
-10	A1033-3	A1033-4	A1033-5	-	-	-
-12	A1233-3	A1233-4	A1233-5	-	-	-
-16	A1633-3	A1633-4	A1633-5	-	-	-

AN BULKHEAD TEE ON BRANCH



Includes Nut

AN	Black	Blue	Clear	Steel	Blk Steel	Stainless
-03	A2334-3	A2334-4	A2334-5	A2334-7	A2334-8	A2334-11
-04	A2434-3	A2434-4	A2434-5	-	-	-
-06	A2634-3	A2634-4	A2634-5	-	-	-
-08	A2834-3	A2834-4	A2834-5	-	-	-
-10	A21034-3	A21034-4	A21034-5	-	-	-
-12	A21234-3	A21234-4	A21234-5	-	-	-
-16	A21634-3	A21634-4	A21634-5	-	-	-
-20	A22034-3	A22034-4	A22034-5	-	-	-

AN BULKHEAD TEE ON RUN



Includes Nut

AN	Black	Blue	Clear
-03	A2335-3	A2335-4	A2335-5
-04	A2435-3	A2435-4	A2435-5
-06	A2635-3	A2635-4	A2635-5
-08	A2835-3	A2835-4	A2835-5
-10	A21035-3	A21035-4	A21035-5
-12	A21235-3	A21235-4	A21235-5
-16	A21635-3	A21635-4	A21635-5
-20	A22035-3	A22035-4	A22035-5

BULKHEAD NUTS



**Pkg of 2*

AN	Black	Blue	Clear	Steel	Blk Steel	Stainless
-03*	A331-3	A331-4	A331-5	A331-7	A331-8	A331-11
-04*	A431-3	A431-4	A431-5	-	-	A431-11
-06*	A631-3	A631-4	A631-5	-	-	A631-11
-08*	A831-3	A831-4	A831-5	-	-	-
-10	A1031-3	A1031-4	A1031-5	-	-	-
-12	A1231-3	A1231-4	A1231-5	-	-	-
-16	A1631-3	A1631-4	A1631-5	-	-	-
-20	A2031-3	A2031-4	A2031-5	-	-	-



STRAIGHT SWIVEL COUPLER



AN	AN	Black	Blue	Clear
-03	-03	C3-3	C3-4	C3-5
-04	-04	C4-3	C4-4	C4-5
-06	-06	C6-3	C6-4	C6-5
-06	-08	C681-3	C681-4	C681-5
-08	-08	C8-3	C8-4	C8-5
-08	-10	C8100-3	C8100-4	C8100-5
-10	-10	C10-3	C10-4	C10-5
-10	-12	C10120-3	C10120-4	C10120-5
-12	-12	C12-3	C12-4	C12-5
-16	-16	C16-3	C16-4	C16-5
-20	-20	C20-3	C20-4	C20-5

45° SWIVEL COUPLER



AN	Red/Blue	Black	Clear
-03	C345-2	C345-3	C345-5
-04	C445-2	C445-3	C445-5
-06	C645-2	C645-3	C645-5
-08	C845-2	C845-3	C845-5
-10	C1045-2	C1045-3	C1045-5
-12	C1245-2	C1245-3	C1245-5
-16	C1645-2	C1645-3	C1645-5
-20	C2045-2	C2045-3	C2045-5

90° SWIVEL COUPLER



AN	Red/Blue	Black	Clear
-03	C390-2	C390-3	C390-5
-04	C490-2	C490-3	C490-5
-06	C690-2	C690-3	C690-5
-08	C890-2	C890-3	C890-5
-10	C1090-2	C1090-3	C1090-5
-12	C1290-2	C1290-3	C1290-5
-16	C1690-2	C1690-3	C1690-5
-20	C2090-2	C2090-3	C2090-5

120° SWIVEL COUPLER



AN	Red/Blue	Black	Clear
-03	C3120-2	C3120-3	C3120-5
-04	C4120-2	C4120-3	C4120-5
-06	C6120-2	C6120-3	C6120-5
-08	C8120-2	C8120-3	C8120-5
-10	C10120-2	C10120-3	C10120-5
-12	C12120-2	C12120-3	C12120-5
-16	C16120-2	C16120-3	C16120-5

150° SWIVEL COUPLER



AN	Red/Blue	Black	Clear
-03	C3150-2	C3150-3	C3150-5
-04	C4150-2	C4150-3	C4150-5
-06	C6150-2	C6150-3	C6150-5
-08	C8150-2	C8150-3	C8150-5
-10	C10150-2	C10150-3	C10150-5
-12	C12150-2	C12150-3	C12150-5
-16	C16150-2	C16150-3	C16150-5

180° SWIVEL COUPLER



AN	Red/Blue	Black	Clear
-03	C3180-2	C3180-3	C3180-5
-04	C4180-2	C4180-3	C4180-5
-06	C6180-2	C6180-3	C6180-5
-08	C8180-2	C8180-3	C8180-5
-10	C10180-2	C10180-3	C10180-5
-12	C12180-2	C12180-3	C12180-5
-16	C16180-2	C16180-3	C16180-5



NPT Fittings

NPT is a widely used standard for pipe threads in the United States, particularly in fluid and gas systems. NPT fittings use tapered threads, which provide a tight, leak-proof seal when connected. The size designation of NPT fittings is different from other systems like AN, as it refers to the internal diameter of the pipe and the thread count.

NPT Sizing System

NPT sizes indicate the number of threads per inch (TPI). The size refers to the inside diameter (ID) of the pipe it's designed for, while the TPI refers to how tightly the threads are spaced.

Thread Geometry

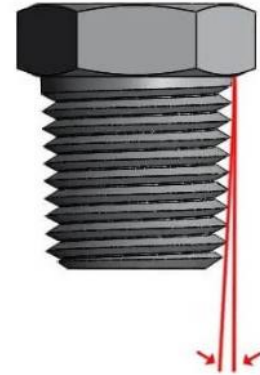
Tapered threads: The taper on the male threads creates a wedging effect, where the threads get tighter as you turn the male fitting into the female fitting.

Thread angles: NPT threads are typically cut at a 60° angle to provide better grip and tighter seals.

How to Determine NPT Size

Unlike AN fittings, which are based on the outside diameter of the hose or fitting, NPT sizes are determined by the inner diameter of the pipe. However, the size is not always the same as the actual dimensions of the fitting. For example:

A 1/2" NPT fitting might have an outside diameter of 0.840 inches, but it fits a pipe with an inner diameter (ID) of 1/2 inch. The nominal size refers to the ID, not the outer diameter.



NPT Size	Threads Per Inch	Fitting ID	Max Torque (FT LBS)	Closest AN Size
1/16	27	1/16	8.75	-
1/8	27	1/8	11.5	-04
1/4	18	1/4	16.25	-06
3/8	18	3/8	29	-08
1/2	14	1/2	35	-10
3/4	14	3/4	45	-12
1	11.5	1	70	-16
1-1/4	11.5	1-1/4	85	-20

AN TO NPT ADAPTER



AN	NPT	Black	Blue	Clear	Stainless	Brass
-03	1/16	B316-3	B316-4	B316-5	B316-11	B316-15
-03	1/8	B318-3	B318-4	B318-5	B318-11	-
-03	1/4	B314-3	B314-4	B314-5	B314-11	-
-03	3/8	B338-3	B338-4	B338-5	B338-11	-
-04	1/16	B416-3	B416-4	B416-5	B416-11	B416-15
-04	1/8	B418-3	B418-4	B418-5	B418-11	-
-04	1/4	B414-3	B414-4	B414-5	B414-11	-
-04	3/8	B438-3	B438-4	B438-5	B438-11	-
-04	1/2	B412-3	B412-4	B412-5	B412-11	-
-06	1/8	B618-3	B618-4	B618-5	B618-11	-
-06	1/4	B614-3	B614-4	B614-5	B614-11	-
-06	3/8	B638-3	B638-4	B638-5	B638-11	-
-06	1/2	B612-3	B612-4	B612-5	B612-11	-
-08	1/4	B814-3	B814-4	B814-5	-	-
-08	3/8	B838-3	B838-4	B838-5	-	-
-08	1/2	B812-3	B812-4	B812-5	-	-
-08	3/4	B834-3	B834-4	B834-5	-	-
-10	1/4	B1014-3	B1014-4	B1014-5	-	-
-10	3/8	B1038-3	B1038-4	B1038-5	-	-
-10	1/2	B1012-3	B1012-4	B1012-5	-	-
-10	3/4	B1034-3	B1034-4	B1034-5	-	-
-12	1/2	B1212-3	B1212-4	B1212-5	-	-
-12	3/4	B1234-3	B1234-4	B1234-5	-	-
-12	1	B121-3	B121-4	B121-5	-	-
-16	3/4	B1634-3	B1634-4	B1634-5	-	-
-16	1	B161-3	B161-4	B161-5	-	-
-20	1	B201-3	B201-4	B201-5	-	-
-20	1 1/4	B20114-3	B20114-4	B20114-5	-	-



AN FEMALE TO NPT MALE SWIVEL FITTING



AN	NPT	Black	Blue	Clear
-03	1/8	C1351-3	C1351-4	C1351-5
-04	1/8	C1451-3	C1451-4	C1451-5
-04	1/4	C1452-3	C1452-4	C1452-5
-06	1/8	C1650-3	C1650-4	C1650-5
-06	1/4	C1651-3	C1651-4	C1651-5
-06	3/8	C1652-3	C1652-4	C1652-5
-08	1/4	C1850-3	C1850-4	C1850-5
-08	3/8	C1851-3	C1851-4	C1851-5
-08	1/2	C1852-3	C1852-4	C1852-5
-10	3/8	C11050-3	C11050-4	C11050-5
-10	1/2	C11051-3	C11051-4	C11051-5
-12	1/2	C11250-3	C11250-4	C11250-5
-12	3/4	C11251-3	C11251-4	C11251-5
-16	3/4	C11651-3	C11651-4	C11651-5
-16	1	C16151-3	C16151-4	C16151-5

AN MALE TO NPT FEMALE ADAPTER FITTING



AN	NPT	Black	Blue	Clear	Stainless
-03	1/8	B318F-3	B318F-4	B318F-5	B318F-11
-03	1/4	B314F-3	B314F-4	B314F-5	B314F-11
-04	1/8	B418F-3	B418F-4	B418F-5	B418F-11
-04	1/4	B414F-3	B414F-4	B414F-5	B414F-11

45° AN TO NPT ADAPTER



AN	NPT	Black	Blue	Clear	Steel	Black Steel	Stainless
-03	1/8	B31845-3	B31845-4	B31845-5	B31845-7	B31845-8	B31845-11
-03	1/4	B31445-3	B31445-4	B31445-5	-	-	-
-04	1/8	B41845-3	B41845-4	B41845-5	B41845-7	B41845-8	-
-04	1/4	B41445-3	B41445-4	B41445-5	-	-	-
-04	3/8	B43845-3	B43845-4	B43845-5	-	-	-
-06	1/8	B61845-3	B61845-4	B61845-5	-	-	-
-06	1/4	B61445-3	B61445-4	B61445-5	-	-	-
-06	3/8	B63845-3	B63845-4	B63845-5	-	-	-
-06	1/2	B61245-3	B61245-4	B61245-5	-	-	-
-08	1/4	B81445-3	B81445-4	B81445-5	-	-	-
-08	3/8	B83845-3	B83845-4	B83845-5	-	-	-
-08	1/2	B81245-3	B81245-4	B81245-5	-	-	-
-08	3/4	B83445-3	B83445-4	B83445-5	-	-	-
-10	3/8	B103845-3	B103845-4	B103845-5	-	-	-
-10	1/2	B101245-3	B101245-4	B101245-5	-	-	-
-10	3/4	B103445-3	B103445-4	B103445-5	-	-	-
-12	1/2	B121245-3	B121245-4	B121245-5	-	-	-
-12	3/4	B123445-3	B123445-4	B123445-5	-	-	-
-12	1	B12145-3	B12145-4	B12145-5	-	-	-
-16	3/4	B163445-3	B163445-4	B163445-5	-	-	-
-16	1	B16145-3	B16145-4	B16145-5	-	-	-
-20	1	B20145-3	B20145-4	B20145-5	-	-	-



90° AN TO NPT ADAPTER



AN	NPT	Black	Blue	Clear	Steel	Black Steel	Stainless
-03	1/8	B31890-3	B31890-4	B31890-5	B31890-7	B31890-8	B31890-11
-03	1/4	B31490-3	B31490-4	B31490-5	-	-	-
-04	1/8	B41890-3	B41890-4	B41890-5	B41890-7	B41890-8	-
-04	1/4	B41490-3	B41490-4	B41490-5	-	-	-
-04	3/8	B43890-3	B43890-4	B43890-5	-	-	-
-06	1/8	B61890-3	B61890-4	B61890-5	B61890-7	B61890-8	-
-06	1/4	B61490-3	B61490-4	B61490-5	-	-	-
-06	3/8	B63890-3	B63890-4	B63890-5	-	-	-
-06	1/2	B61290-3	B61290-4	B61290-5	-	-	-
-08	1/4	B81490-3	B81490-4	B81490-5	-	-	-
-08	3/8	B83890-3	B83890-4	B83890-5	-	-	-
-08	1/2	B81290-3	B81290-4	B81290-5	-	-	-
-08	3/4	B83490-3	B83490-4	B83490-5	-	-	-
-10	3/8	B103890-3	B103890-4	B103890-5	-	-	-
-10	1/2	B101290-3	B101290-4	B101290-5	-	-	-
-10	3/4	B103490-3	B103490-4	B103490-5	-	-	-
-12	1/2	B121290-3	B121290-4	B121290-5	-	-	-
-12	3/4	B123490-3	B123490-4	B123490-5	-	-	-
-16	3/4	B163490-3	B163490-4	B163490-5	-	-	-
-16	1	B16190-3	B16190-4	B16190-5	-	-	-

90° AN MALE TO NPT MALE SWIVEL



AN	NPT	Black	Blue	Clear
-03	1/8	C0351-3	C0351-4	C0351-5
-04	1/8	C0451-3	C0451-4	C0451-5
-04	1/4	C0454-3	C0454-4	C0454-5
-06	1/8	C0651-3	C0651-4	C0651-5
-06	1/4	C0654-3	C0654-4	C0654-5
-06	3/8	C0653-3	C0653-4	C0653-5
-08	1/4	C0851-3	C0851-4	C0851-5
-08	3/8	C0854-3	C0854-4	C0854-5
-08	1/2	C0853-3	C0853-4	C0853-5
-10	3/8	C1053-3	C1053-4	C1053-5
-10	1/2	C1054-3	C1054-4	C1054-5
-12	1/2	C1253-3	C1253-4	C1253-5
-12	3/4	C1254-3	C1254-4	C1254-5
-16	3/4	C1634-3	C1634-4	C1634-5
-16	1	C161-3	C161-4	C161-5

90° AN FEMALE TO NPT MALE SWIVEL



AN	NPT	Black	Blue	Clear
-03	1/8	C031890-3	C031890-4	C031890-5
-04	1/8	C041890-3	C041890-4	C041890-5
-04	1/4	C041490-3	C041490-4	C041490-5
-06	1/8	C061890-3	C061890-4	C061890-5
-06	1/4	C061490-3	C061490-4	C061490-5
-06	3/8	C063890-3	C063890-4	C063890-5
-08	1/4	C081490-3	C081490-4	C081490-5
-08	3/8	C083890-3	C083890-4	C083890-5
-08	1/2	C081290-3	C081290-4	C081290-5
-10	3/8	C103890-3	C103890-4	C103890-5
-10	1/2	C101290-3	C101290-4	C101290-5
-12	1/2	C121290-3	C121290-4	C121290-5
-12	3/4	C123490-3	C123490-4	C123490-5
-16	3/4	C163490-3	C163490-4	C163490-5
-16	1	C16190-3	C16190-4	C16190-5



AN TO NPT TEE ON BRANCH



AN	NPT	AN	Black	Blue	Clear	Stainless
-03	1/8	-03	B325-3	B325-4	B325-5	B325-11
-04	1/8	-04	B425-3	B425-4	B425-5	-
-06	1/4	-06	B625-3	B625-4	B625-5	-
-08	3/8	-08	B825-3	B825-4	B825-5	-
-10	1/2	-10	B1025-3	B1025-4	B1025-5	-
-12	3/4	-12	B1225-3	B1225-4	B1225-5	-
-16	3/4	-16	B1635-3	B1635-4	B1635-5	-
-16	1	-16	B1625-3	B1625-4	B1625-5	-
-20	1	-20	B2001-3	B2001-4	B2001-5	-
-20	1-1/4	-20	B2025-3	B2025-4	B2025-5	-

AN TO NPT TEE ON RUN



NPT	AN	AN	Black	Blue	Clear	Steel	Black Steel	Stainless
1/8	-03	-03	B326-3	B326-4	B326-5	B326-7	B326-8	B326-11
1/8	-04	-04	B426-3	B426-4	B426-5	-	-	-
1/4	-06	-06	B626-3	B626-4	B626-5	-	-	-
3/8	-08	-08	B826-3	B826-4	B826-5	-	-	-
1/2	-10	-10	B1026-3	B1026-4	B1026-5	-	-	-
3/4	-12	-12	B1226-3	B1226-4	B1226-5	-	-	-
3/4	-16	-16	B1628-3	B1628-4	B1628-5	-	-	-
1	-16	-16	B1626-3	B1626-4	B1626-5	-	-	-
1	-20	-20	B2016-3	B2016-4	B2016-5	-	-	-
1-1/4	-20	-20	B2026-3	B2026-4	B2026-5	-	-	-

MALE NPT TO MALE NPT FITTING



NPT	Black	Blue	Clear
1/8	B1211-3	B1211-4	B1211-5
1/4	B2511-3	B2511-4	B2511-5
3/8	B3711-3	B3711-4	B3711-5
1/2	B5011-3	B5011-4	B5011-5
3/4	B7511-3	B7511-4	B7511-5
1	B8711-3	B8711-4	B8711-5

FEMALE NPT TO FEMALE NPT COUPLER



NPT	Black	Blue	Clear
1/8	B1210-3	B1210-4	B1210-5
1/4	B2510-3	B2510-4	B2510-5
3/8	B3710-3	B3710-4	B3710-5
1/2	B5010-3	B5010-4	B5010-5
3/4	B7510-3	B7510-4	B7510-5
1	B8710-3	B8710-4	B8710-5

NPT REDUCER BUSHING



NPT	NPT	Black	Blue	Clear
1/4	1/8	B2112-3	B2112-4	B2112-5
3/8	1/8	B3112-3	B3112-4	B3112-5
3/8	1/4	B3212-3	B3212-4	B3212-5
1/2	1/8	B5112-3	B5112-4	B5112-5
1/2	1/4	B5212-3	B5212-4	B5212-5
1/2	3/8	B5312-3	B5312-4	B5312-5
3/4	1/4	B7313-3	B7313-4	B7313-5
3/4	3/8	B7312-3	B7312-4	B7312-5
3/4	1/2	B7512-3	B7512-4	B7512-5
1	3/8	B1312-3	B1312-4	B1312-5
1	1/2	B1512-3	B1512-4	B1512-5
1	3/4	B1712-3	B1712-4	B1712-5



45° MALE NPT TO FEMALE NPT



NPT	Black	Blue	Clear
1/8	B91518-3	B91518-4	B91518-5
1/4	B91514-3	B91514-4	B91514-5
3/8	B91538-3	B91538-4	B91538-5
1/2	B91512-3	B91512-4	B91512-5
3/4	B91534-3	B91534-4	B91534-5
1	B9151-3	B9151-4	B9151-5
1 1/4	B915114-3	B915114-4	B915114-5

90° MALE NPT TO FEMALE NPT



NPT	Black	Blue	Clear
1/8	B91418-3	B91418-4	B91418-5
1/4	B91414-3	B91414-4	B91414-5
3/8	B91438-3	B91438-4	B91438-5
1/2	B91412-3	B91412-4	B91412-5
3/4	B91434-3	B91434-4	B91434-5
1	B9141-3	B9141-4	B9141-5
1 1/4	B914114-3	B914114-4	B914114-5

90° FEMALE NPT ELBOW



NPT	Black	Blue	Clear
1/8	B91618-3	B91618-4	B91618-5
1/4	B91614-3	B91614-4	B91614-5
3/8	B91638-3	B91638-4	B91638-5
1/2	B91612-3	B91612-4	B91612-5
3/4	B91634-3	B91634-4	B91634-5
1	B9161-3	B9161-4	B9161-5

FEMALE NPT TEE



NPT	Black	Blue	Clear
1/8	B91718-3	B91718-4	B91718-5
1/4	B91714-3	B91714-4	B91714-5
3/8	B91738-3	B91738-4	B91738-5
1/2	B91712-3	B91712-4	B91712-5
3/4	B91734-3	B91734-4	B91734-5
1	B9171-3	B9171-4	B9171-5

ORB Fittings

In the automotive and mechanical industries, ORB fittings (often referred to as O-Ring Boss fittings) are a type of hydraulic or fluid fitting used to connect different parts of a system, typically in vehicles, machinery, or other fluid-carrying applications.

Key Characteristics

O-ring Seal: The O-ring is the most critical part of an ORB fitting. When the fitting is tightened, the O-ring is compressed between the two parts, forming a reliable seal that prevents fluid leakage.

Thread Type

ORB fittings have a parallel thread (unlike tapered threads in other fittings), which means the threads do not create a seal by themselves. Instead, the O-ring seated in a chamfer is responsible for creating the seal when the fitting is tightened.

Applications

ORB fittings are used primarily in systems that require a strong and reliable seal for fluids under high pressure, such as:

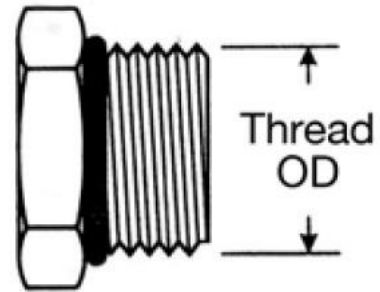
- Hydraulic systems
- Power steering systems
- Fuel systems
- Air conditioning systems

Advantages of ORB Fittings

Leak Resistance: The O-ring provides a superior seal, reducing the risk of leaks, especially in high-pressure or high-vibration environments.

Durability: ORB fittings can handle high fluid pressures, making them ideal for applications like hydraulics, fuel, and brake systems.

Ease of Installation: ORB fittings are relatively easy to install, as they do not require the same level of torque as tapered-thread fittings, reducing the risk of damaging threads.



AN Size	Inch Size	Thread Size	Max Torque (FT LBS)
-03	1/8	5/16-24	
-04	1/4	7/16-20	
-06	3/8	9/16-18	20-30
-08	1/2	3/4-16	25-35
-10	5/8	7/8-14	30-40
-12	3/4	1 1/16-12	35-50
-16	1	1 5/16-12	40-60
-20	1 1/4	1 5/8-12	50-70



AN TO ORB FITTING



Includes O-Ring

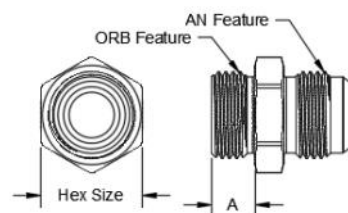
ORB	AN	Black	Blue	Clear
-03	-03	D33-3	D33-4	D33-5
-03	-04	D34-3	D34-4	D34-5
-04	-03	D43-3	D43-4	D43-5
-04	-04	D44-3	D44-4	D44-5
-04	-06	D46-3	D46-4	D46-5
-06	-04	D64-3	D64-4	D64-5
-06	-06	D66-3	D66-4	D66-5
-06	-08	D68-3	D68-4	D68-5
-08	-04	D84-3	D84-4	D84-5
-08	-06	D86-3	D86-4	D86-5
-08	-08	D88-3	D88-4	D88-5
-08	-10	D810-3	D810-4	D810-5
-08	-12	D812-3	D812-4	D812-5
-10	-04	D104-3	D104-4	D104-5
-10	-06	D106-3	D106-4	D106-5
-10	-08	D108-3	D108-4	D108-5
-10	-10	D1010-3	D1010-4	D1010-5
-10	-12	D1012-3	D1012-4	D1012-5
-12	-08	D128-3	D128-4	D128-5
-12	-10	D1210-3	D1210-4	D1210-5
-12	-12	D1212-3	D1212-4	D1212-5
-12	-16	D1216-3	D1216-4	D1216-5
-16	-10	D1610-3	D1610-4	D1610-5
-16	-12	D1612-3	D1612-4	D1612-5
-16	-16	D1616-3	D1616-4	D1616-5
-16	-20	D1620-3	D1620-4	D1620-5
-20	-16	D2016-3	D2016-4	D2016-5
-20	-20	D2020-3	D2020-4	D2020-5

COMPACT AN TO ORB ADAPTER



Includes O-Ring

AN	ORB	Black	Blue	Clear
-06	-06	D661-3	D661-4	D661-5
-08	-08	D881-3	D881-4	D881-5
-10	-10	D10101-3	D10101-4	D10101-5
-12	-12	D12121-3	D12121-4	D12121-5



D12121-x	.375	1 1/4"
D1212-x	.640	1 3/8"
D10101-x	.375	1"
D1010-x	.640	1 1/8"
D881-x	.375	7/8"
D88-x	.500	1"
D661-x	.375	3/4"
D66-x	.400	7/8"
Part #	Dimension A	Hex Size

COMPACT ORB TO EXTENDED AN ADAPTER



Includes O-Ring

AN	ORB	Black	Blue	Clear
-06	-06	D662-3	D662-4	D662-5
-08	-08	D882-3	D882-4	D882-5
-10	-10	D10102-3	D10102-4	D10102-5
-12	-12	D12122-3	D12122-4	D12122-5



Tech Tip

These compact fittings are for special applications where hex size and ORB thread length are restricted. Typical applications are mechanical fuel pumps and dry sump oil pumps. Mating surface must have an O-ring relief. Please refer to listed dimensions when selecting these for applications.

ORB TO ORB SWIVEL UNION



Includes O-Ring

ORB	ORB	Black	Blue	Clear
-06	-06	D2766-3	D2766-4	D2766-5
-08	-08	D2788-3	D2788-4	D2788-5
-10	-10	D271010-3	D271010-4	D271010-5
-12	-12	D271212-3	D271212-4	D271212-5



AN FEMALE TO ORB MALE SWIVEL



Includes O-Ring

AN	ORB	Black	Blue	Clear
-06	-06	D0766-3	D0766-4	D0766-5
-06	-08	D0768-3	D0768-4	D0768-5
-08	-06	D0786-3	D0786-4	D0786-5
-08	-08	D0788-3	D0788-4	D0788-5
-08	-10	D07810-3	D07810-4	D07810-5
-10	-08	D07108-3	D07108-4	D07108-5
-10	-10	D071010-3	D071010-4	D071010-5
-10	-12	D071012-3	D071012-4	D071012-5
-12	-10	D071210-3	D071210-4	D071210-5
-12	-12	D071212-3	D071212-4	D071212-5

90° AN MALE TO ORB MALE SWIVEL



Includes O-Ring

AN	ORB	Black	Blue	Clear
-06	-04	D5064-3	D5064-4	D5064-5
-06	-06	D5066-3	D5066-4	D5066-5
-06	-08	D5068-3	D5068-4	D5068-5
-06	-10	D50610-3	D50610-4	D50610-5
-08	-06	D5086-3	D5086-4	D5086-5
-08	-08	D5088-3	D5088-4	D5088-5
-08	-10	D50810-3	D50810-4	D50810-5
-10	-08	D50108-3	D50108-4	D50108-5
-10	-10	D501010-3	D501010-4	D501010-5
-10	-12	D501012-3	D501012-4	D501012-5
-12	-10	D501210-3	D501210-4	D501210-5
-12	-12	D501212-3	D501212-4	D501212-5
-16	-12	D501612-3	D501612-4	D501612-5
-16	-16	D501616-3	D501616-4	D501616-5



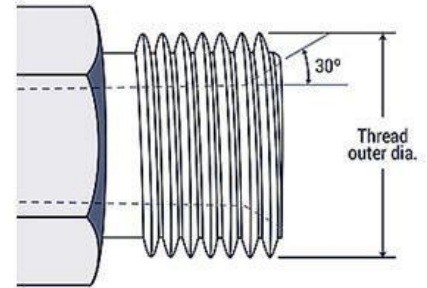
Metric Fittings

In the automotive industry, metric-sized fittings are commonly used for a variety of systems such as fuel lines, hydraulic brake systems, air conditioning, and engine components. These fittings, which adhere to the metric system, use measurements in millimeters (mm) rather than the imperial system (inches) commonly seen in North America. In vehicles manufactured in regions like Europe, Japan, and other parts of the world, metric fittings are standard, so understanding them is essential for anyone working on or maintaining these vehicles.

Thread Type and Pitch

Thread Diameter: The thread diameter is typically measured in millimeters. For example, an M10 fitting refers to a fitting designed for a pipe or component with a nominal outer diameter of 10 mm.

Thread Pitch: The pitch refers to the distance between threads, measured in millimeters. For example, M10 x 1.5 means a 10 mm nominal diameter with a 1.5 mm thread pitch (distance between thread peaks).



Sealing Methods

Crush Washers are widely used in automotive systems, ensuring that fluid does not leak under pressure

Metric Size	Male Thread OD (MM)	Thread Pitch (MM)
M6 x 1.00	6	1.00
M8 x 1.00	8	1.00
M10 x 1.00	10	1.00
M10 x 1.25	10	1.25
M12 x 1.00	12	1.00
M12 x 1.25	12	1.25
M12 x 1.50	12	1.50
M14 x 1.25	14	1.25
M14 x 1.50	14	1.50
M16 x 1.50	16	1.50
M18 x 1.50	18	1.50
M20 x 1.50	20	1.50
M22 x 1.50	22	1.50
M24 x 1.50	24	1.50
M30 x 1.50	30	1.50



AN TO METRIC FITTING



Includes Crush Washer

AN	Metric	Black	Blue	Clear	Stainless
-04	M6 x 1.00	A46039-3	A46039-4	A46039-5	-
-04	M8 x 1.00	A4139-3	A4139-4	A4139-5	-
-04	M8 x 1.25	A48239-3	A48239-4	A48239-5	A48239-11
-04	M8 x 1.50	A4159-3	A4159-4	A4159-5	-
-04	M10 x 1.00	A4039-3	A4039-4	A4039-5	-
-04	M10 x 1.25	A4239-3	A4239-4	A4239-5	-
-04	M10 x 1.50	A4339-3	A4339-4	A4339-5	-
-04	M12 x 1.00	A412039-3	A412039-4	A412039-5	-
-04	M12 x 1.25	A412239-3	A412239-4	A412239-5	-
-04	M12 x 1.50	A4439-3	A4439-4	A4439-5	A4439-11
-04	M14 x 1.25	A414239-3	A414239-4	A414239-5	-
-04	M14 x 1.50	A4539-3	A4539-4	A4539-5	-
-06	M10 x 1.00	A610039-3	A610039-4	A610039-5	-
-06	M10 x 1.25	A6139-3	A6139-4	A6139-5	-
-06	M10 x 1.50	A6149-3	A6149-4	A6149-5	-
-06	M12 x 1.00	A612039-3	A612039-4	A612039-5	-
-06	M12 x 1.25	A612239-3	A612239-4	A612239-5	-
-06	M12 x 1.50	A6239-3	A6239-4	A6239-5	A6239-11
-06	M14 x 1.25	A614239-3	A614239-4	A614239-5	-
-06	M14 x 1.50	A6439-3	A6439-4	A6439-5	-
-06	M16 x 1.50	A6739-3	A6739-4	A6739-5	-
-06	M18 x 1.50	A6839-3	A6839-4	A6839-5	-
-06	M20 x 1.50	A620539-3	A620539-4	A620539-5	-
-06	M22 x 1.50	A622539-3	A622539-4	A622539-5	-
-06	M24 x 1.50	A624539-3	A624539-4	A624539-5	-
-08	M10 x 1.00	A810039-3	A810039-4	A810039-5	-
-08	M10 x 1.25	A810239-3	A810239-4	A810239-5	-

Continued On Next Page



AN TO METRIC FITTING (CONTINUED)

*Includes Crush Washer*

AN	Metric	Black	Blue	Clear
-08	M10 x 1.50	A810539-3	A810539-4	A810539-5
-08	M12 x 1.25	A812239-3	A812239-4	A812239-5
-08	M12 x 1.50	A8239-3	A8239-4	A8239-5
-08	M14 x 1.25	A814239-3	A814239-4	A814239-5
-08	M14 x 1.50	A8439-3	A8439-4	A8439-5
-08	M16 x 1.50	A8639-3	A8639-4	A8639-5
-08	M18 x 1.50	A8839-3	A8839-4	A8839-5
-08	M20 x 1.50	A820539-3	A820539-4	A820539-5
-08	M22 x 1.50	A822539-3	A822539-4	A822539-5
-08	M24 x 1.50	A824539-3	A824539-4	A824539-5
-10	M12 x 1.00	A1012039-3	A1012039-4	A1012039-5
-10	M12 x 1.25	A1012239-3	A1012239-4	A1012239-5
-10	M12 x 1.50	A1012539-3	A1012539-4	A1012539-5
-10	M14 x 1.50	A10439-3	A10439-4	A10439-5
-10	M16 x 1.50	A10639-3	A10639-4	A10639-5
-10	M18 x 1.50	A10839-3	A10839-4	A10839-5
-10	M20 x 1.50	A10939-3	A10939-4	A10939-5
-10	M22 x 1.50	A1022539-3	A1022539-4	A1022539-5
-10	M24 x 1.50	A1024539-3	A1024539-4	A1024539-5
-12	M12 x 1.00	A1212039-3	A1212039-4	A1212039-5
-12	M12 x 1.25	A1212239-3	A1212239-4	A1212239-5
-12	M12 x 1.50	A1212539-3	A1212539-4	A1212539-5
-12	M14 x 1.50	A12339-3	A12339-4	A12339-5
-12	M16 x 1.50	A12439-3	A12439-4	A12439-5
-12	M18 x 1.50	A12639-3	A12639-4	A12639-5
-12	M20 x 1.50	A12739-3	A12739-4	A12739-5
-12	M22 x 1.50	A1222539-3	A1222539-4	A1222539-5
-12	M24 x 1.50	A1224539-3	A1224539-4	A1224539-5
-12	M30 x 1.50	A12839-3	A12839-4	A12839-5
-16	M16 x 1.50	A16239-3	A16239-4	A16239-5
-16	M18 x 1.50	A16339-3	A16339-4	A16339-5
-16	M20 x 1.50	A16539-3	A16539-4	A16539-5
-16	M30 x 1.50	A16739-3	A16739-4	A16739-5



AN MALE TO METRIC FEMALE FITTING



AN	Metric	Black	Blue	Clear
-06	M12 x 1.00	C61210-3	C61210-4	C61210-5
-06	M12 x 1.50	C61215-3	C61215-4	C61215-5
-06	M14 x 1.50	C61415-3	C61415-4	C61415-5
-06	M16 x 1.50	C61615-3	C61615-4	C61615-5
-08	M12 x 1.00	C81210-3	C81210-4	C81210-5
-08	M12 x 1.50	C81215-3	C81215-4	C81215-5
-08	M14 x 1.50	C81415-3	C81415-4	C81415-5
-08	M16 x 1.50	C81615-3	C81615-4	C81615-5

METRIC MALE TO FEMALE NPT ADAPTER



Includes Crush Washer

Metric	NPT	Black	Blue	Clear
M12 x 1.50	1/8	B1218-3	B1218-4	B1218-5
M14 x 1.50	1/8	B1418-3	B1418-4	B1418-5
M16 x 1.50	1/8	B1618-3	B1618-4	B1618-5
M16 x 1.50	1/4	B1614-3	B1614-4	B1614-5
M18 x 1.50	1/8	B1818-3	B1818-4	B1818-5
M18 x 1.50	1/4	B1814-3	B1814-4	B1814-5
M20 x 1.50	1/8	B2018-3	B2018-4	B2018-5
M20 x 1.50	1/4	B2014-3	B2014-4	B2014-5
M20 x 1.50	3/8	B2038-3	B2038-4	B2038-5
M22 x 1.50	1/8	B2218-3	B2218-4	B2218-5
M22 x 1.50	1/4	B2214-3	B2214-4	B2214-5
M30 x 1.50	3/8	B3038-3	B3038-4	B3038-5
M30 x 1.50	1/2	B3012-3	B3012-4	B3012-5
M30 x 1.50	3/4	B3034-3	B3034-4	B3034-5

Barb Fittings

Barbed fittings in automotive applications are commonly used to connect hoses or tubing to various components within the vehicle's fluid systems, such as fuel, coolant, oil, or air lines. The "barbs" are ridges or protrusions along the fitting that help grip the inside of the Push-On hose when it is pushed onto the fitting. This creates a secure, leak-resistant connection without the need for clamps in some cases, though clamps are often still used for added security.

AN MALE TO BARB ADAPTER



AN	Barb	Black	Blue	Clear
-04	AN -04 1/4	J24400-3	J24400-4	J24400-5
-06	AN -05 5/16	J26516-3	J26516-4	J26516-5
-06	AN -06 3/8	J26600-3	J26600-4	J26600-5
-08	AN -06 3/8	J28600-3	J28600-4	J28600-5
-08	AN -08 1/2	J28800-3	J28800-4	J28800-5
-10	AN -08 1/2	J210800-3	J210800-4	J210800-5
-10	AN -10 5/8	J210100-3	J210100-4	J210100-5
-12	AN -12 3/4	J212200-3	J212200-4	J212200-5

AN FEMALE TO BARB ADAPTER



AN	Barb	Black	Blue	Clear
-04	AN -04 1/4	J04250-3	J04250-4	J04250-5
-04	AN -05 5/16	J04516-3	J04516-4	J04516-5
-06	AN -04 1/4	J06250-3	J06250-4	J06250-5
-06	AN -05 5/16	J06516-3	J06516-4	J06516-5
-06	AN -06 3/8	J06375-3	J06375-4	J06375-5
-08	AN -06 3/8	J08375-3	J08375-4	J08375-5
-08	AN -08 1/2	J08500-3	J08500-4	J08500-5
-08	AN -10 5/8	J08625-3	J08625-4	J08625-5
-10	AN -08 1/2	J10500-3	J10500-4	J10500-5
-10	AN -10 5/8	J10625-3	J10625-4	J10625-5



Phenix manufactures our Female AN Barb Adapters with an internal O-Ring for additional sealing.



NPT TO BARB ADAPTER



NPT	Barb	Black	Blue	Clear
1/4	AN -04 1/4	J241400-3	J241400-4	J241400-5
1/4	AN -06 3/8	J261400-3	J261400-4	J261400-5
3/8	AN -08 1/2	J283800-3	J283800-4	J283800-5
1/2	AN -10 5/8	J2101200-3	J2101200-4	J2101200-5
3/4	AN -12 3/4	J2123400-3	J2123400-4	J2123400-5

METRIC TO BARB ADAPTER



Includes Crush Washer

Metric	Barb	Black	Blue	Clear
M12 x 1.50	AN -04 5/16	J2215516-3	J2215516-4	J2215516-5
M12 x 1.50	AN -06 3/8	J221538-3	J221538-4	J221538-5
M14 x 1.50	AN -05 5/16	J2415516-3	J2415516-4	J2415516-5
M14 x 1.50	AN -06 3/8	J241538-3	J241538-4	J241538-5
M14 x 1.50	AN -08 1/2	J2411512-3	J2411512-4	J2411512-5
M18 x 1.50	AN -06 3/8	J281538-3	J281538-4	J281538-5
M18 x 1.50	AN -08 1/2	J281512-3	J281512-4	J281512-5
M18 x 1.50	AN -12 3/4	J281534-3	J281534-4	J281534-5

BARB COUPLING ADAPTER



Barb	Barb	Black	Blue	Clear
AN -04 1/4	AN -04 1/4	J344-3	J344-4	J344-5
AN -06 3/8	AN -06 3/8	J366-3	J366-4	J366-5
AN -08 1/2	AN -08 1/2	J388-3	J388-4	J388-5
AN -06 3/8	AN -08 1/2	J368-3	J368-4	J368-5
AN -10 5/8	AN -10 5/8	J31010-3	J31010-4	J31010-5
AN -08 1/2	AN -10 5/8	J3810-3	J3810-4	J3810-5
AN -12 3/4	AN -12 3/4	J33434-3	J33434-4	J33434-5
AN -10 5/8	AN -12 3/4	J31012-3	J31012-4	J31012-5

BSP Fittings

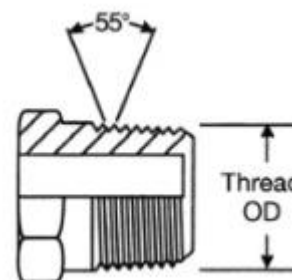
British Standard Pipe (BSP) fittings are a type of threaded fitting used to connect pipes and hoses in automotive applications. They are known for their reliable sealing mechanisms and are used in both high and low-pressure systems.

Key Features

Thread type: BSP threads are rounded and have a 55 degree pitch.

Thread size: BSP sizes are in imperial measurements.

BSP fittings come in two styles: BSP parallel (often referred to as “G” threads) and BSPT tapered (referred to as “R” threads).



AN TO BSP FITTING



Includes Crush Washer

AN	BSP	Black	Blue	Clear
-04	1/8 x 28	B641828-3	B641828-4	B641828-5
-06	1/8 x 28	B661828-3	B661828-4	B661828-5
-06	1/4 x 19	B661419-3	B661419-4	B661419-5
-06	3/8 x 19	B663819-3	B663819-4	B663819-5
-06	1/2 x 14	B661214-3	B661214-4	B661214-5
-08	1/4 x 19	B681419-3	B681419-4	B681419-5
-08	3/8 x 19	B683819-3	B683819-4	B683819-5
-08	1/2 x 14	B681214-3	B681214-4	B681214-5
-10	3/8 x 19	B6103819-3	B6103819-4	B6103819-5
-10	1/2 x 14	B6101214-3	B6101214-4	B6101214-5
-10	5/8 x 14	B6105814-3	B6105814-4	B6105814-5
-10	3/4 x 14	B6103414-3	B6103414-4	B6103414-5
-12	1/2 x 14	B6121214-3	B6121214-4	B6121214-5



AN CAP 1 PIECE WITH O-RING



AN	Black	Blue	Clear	Stainless
-03	A10329-3	A10329-4	A10329-5	A10329-11
-04	A10429-3	A10429-4	A10429-5	A10429-11
-06	A10629-3	A10629-4	A10629-5	A10629-11
-08	A10829-3	A10829-4	A10829-5	A10829-11
-10	A11029-3	A11029-4	A11029-5	-
-12	A11229-3	A11229-4	A11229-5	-
-16	A11629-3	A11629-4	A11629-5	-
-20	A12029-3	A12029-4	A12029-5	-

One Piece Flare Cap includes an internal O-Ring for leak free sealing.

AN CAP 2 PIECE SWIVEL



AN	Black	Blue	Clear	Stainless
-03	A0329-3	A0329-4	A0329-5	A0329-11
-04	A0429-3	A0429-4	A0429-5	-
-06	A0629-3	A0629-4	A0629-5	-
-08	A0829-3	A0829-4	A0829-5	-
-10	A1029-3	A1029-4	A1029-5	-
-12	A1229-3	A1229-4	A1229-5	-
-16	A1629-3	A1629-4	A1629-5	-

AN PLUG



AN	Black	Blue	Clear
-03	A0306-3	A0306-4	A0306-5
-04	A0406-3	A0406-4	A0406-5
-06	A0606-3	A0606-4	A0606-5
-08	A0806-3	A0806-4	A0806-5
-10	A1006-3	A1006-4	A1006-5
-12	A1206-3	A1206-4	A1206-5
-16	A1606-3	A1606-4	A1606-5
-20	A2006-3	A2006-4	A2006-5

ORB PLUG HEX HEAD



ORB	Black	Blue	Clear
-03	A0314-3	A0314-4	A0314-5
-04	A0414-3	A0414-4	A0414-5
-06	A0614-3	A0614-4	A0614-5
-08	A0814-3	A0814-4	A0814-5
-10	A1014-3	A1014-4	A1014-5
-12	A1214-3	A1214-4	A1214-5
-16	A1614-3	A1614-4	A1614-5
-20	A2014-3	A2014-4	A2014-5

ORB PLUG WITH 1/8 PORT



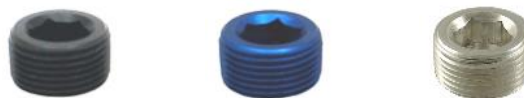
ORB	Black	Blue	Clear
-06	A061418-3	A061418-4	A061418-5
-08	A081418-3	A081418-4	A081418-5
-10	A101418-3	A101418-4	A101418-5
-12	A121418-3	A121418-4	A121418-5

ORB PLUG ROUND HEAD LOW PROFILE



ORB	Black	Blue	Clear
-03	A0320-3	A0320-4	A0320-5
-04	A0420-3	A0420-4	A0420-5
-06	A0620-3	A0620-4	A0620-5
-08	A0820-3	A0820-4	A0820-5
-10	A1020-3	A1020-4	A1020-5
-12	A1220-3	A1220-4	A1220-5
-16	A1620-3	A1620-4	A1620-5
-20	A2021-3	A2021-4	A2021-5

ALLEN SOCKET PIPE THREAD PLUGS



*Pkg of 2

NPT	Black	Blue	Clear
1/16*	A1104-3	A1104-4	A1104-5
1/8*	A1204-3	A1204-4	A1204-5
1/4*	A2504-3	A2504-4	A2504-5
3/8*	A3704-3	A3704-4	A3704-5
1/2	A5004-3	A5004-4	A5004-5
3/4	A7504-3	A7504-4	A7504-5
1	A8504-3	A8504-4	A8504-5



METRIC PORT PLUGS



Includes Crush Washer

Metric	Black	Blue	Clear
M10 x 1.00	A41010-3	A41010-4	A41010-5
M10 x 1.25	A410125-3	A410125-4	A410125-5
M12 x 1.50	A41215-3	A41215-4	A41215-5
M14 x 1.50	A41415-3	A41415-4	A41415-5
M16 x 1.50	A41615-3	A41615-4	A41615-5
M18 x 1.50	A41815-3	A41815-4	A41815-5

VINYL BLOCK OFF CAPS



Pkg of 5

Size	Yellow
1.5"	A0150
1.625"	A01625
1.750"	A01750
1.875"	A01875

PLASTIC CAPS



Pkg of 10

AN	Yellow
-03	A003
-04	A004
-06	A006
-08	A008
-10	A010
-12	A012
-16	A016
-20	A020

PLASTIC PLUGS



Pkg of 10

Size	Yellow
-03	A0003
-04	A0004
-06	A0006
-08	A0008
-10	A0010
-12	A0012
-16	A0016
-20	A0020

HardLine

In automotive applications, "hard lines," typically made of metal tubing, offer the primary benefit of superior durability and resistance to leaks compared to flexible hoses, especially in critical systems like brakes and fuel lines, due to their inherent strength and ability to maintain a consistent internal diameter under pressure.

Key advantages of hard lines:

Leak-proof

Properly flared and fitted hard lines create a more reliable seal, minimizing the risk of fluid leaks, which is crucial for safety in brake and fuel systems.

Heat resistance

Metal hard lines can better withstand high temperatures compared to some flexible hoses, making them suitable for engine compartments.

Precision routing

Hard lines can be precisely bent to fit specific pathways in the vehicle, allowing for clean and organized line layouts

AN MALE HARDLINE FITTINGS



AN	Tube Size	Red/Blue	Black	Clear
-04	1/4	F414-2	F414-3	F414-5
-06	5/16	F30621-2	F30621-3	F30621-5
-06	3/8	F30623-2	F30623-3	F30623-5
-08	1/2	F30825-2	F30825-3	F30825-5
-10	5/8	F31027-2	F31027-3	F31027-5
-12	3/4	F31029-2	F31029-3	F31029-5

90° AN MALE HARDLINE FITTINGS



AN	Tube Size	Black	Blue	Clear
-06	5/16	F31651690-3	F31651690-4	F31651690-5
-06	3/8	F3163890-3	F3163890-4	F3163890-5
-08	5/16	F31851690-3	F31851690-4	F31851690-5
-08	3/8	F3183890-3	F3183890-4	F3183890-5



AN FEMALE HARDLINE FITTING



AN	Tube Size	Red/Blue	Black	Clear
-04	1/4	F3414-2	F3414-3	F3414-5
-06	5/16	F30611-2	F30611-3	F30611-5
-06	3/8	F30613-2	F30613-3	F30613-5
-08	1/2	F30815-2	F30815-3	F30815-5
-10	5/8	F31017-2	F31017-3	F31017-5
-12	3/4	F31019-2	F31019-3	F31019-5

90° AN FEMALE HARDLINE FITTING



AN	Tube Size	Black	Blue	Clear
-04	1/4	F341490-3	F341490-4	F341490-5
-06	5/16	F3061190-3	F3061190-4	F3061190-5
-06	3/8	F3062390-3	F3062390-4	F3062390-5
-08	1/2	F3081590-3	F3081590-4	F3081590-5

REPLACEMENT FERRULES FOR HARDLINE FITTINGS



Pkg of 5

Tube	Brass
1/4	F7614-15
5/16	F76516-15
3/8	F638-15
1/2	F612-15
5/8	F658-15
3/4	F7634-15

TUBE NUTS

*Pkg of 6



**Pkg of 2

Size	Black	Blue	Clear	Steel	Blk Steel	Stainless
-03*	C0318-3	C0318-4	C0318-5	C0318-7	C0318-8	C0318-11
-04*	C0418-3	C0418-4	C0418-5	C0418-7	C0418-8	C0418-11
-06**	C0618-3	C0618-4	C0618-5	-	-	-
-08**	C0818-3	C0818-4	C0818-5	-	-	-
-10	C1018-3	C1018-4	C1018-5	-	-	-
-12	C1218-3	C1218-4	C1218-5	-	-	-
-16	C1618-3	C1618-4	C1618-5	-	-	-

TUBE SLEEVE

*Pkg of 6



**Pkg of 2

Size	Black	Blue	Clear	Steel	Blk Steel	Stainless
-03*	C0319-3	C0319-4	C0319-5	C0319-7	C0319-8	C0319-11
-04*	C0419-3	C0419-4	C0419-5	C0419-7	C0419-8	C0419-11
-6**	C0619-3	C0619-4	C0619-5	-	-	-
-08**	C0819-3	C0819-4	C0819-5	-	-	-
-10	C1019-3	C1019-4	C1019-5	-	-	-
-12	C1219-3	C1219-4	C1219-5	-	-	-
-16	C1619-3	C1619-4	C1619-5	-	-	-





Phenix's dual feed carburetor kits ensure consistent fuel delivery. Ideal for racing or high-performance street applications.

DUAL CARBURETOR LINE KIT



Includes Applicable O-Ring or Crush Washers

Size	Application	Black / Stainless Hose	Red & Blue / Stainless Hose	Black / Black Hose
-06	Holley 4150	H5117-1	H5117-2	H5117-3
-08	Holley 4150	H5115-1	H5115-2	H5115-3
-06	Ultra	H5106-1	H5106-2	H5106-3
-08	Ultra	H5108-1	H5108-2	H5108-3
-08	Holley 4500 Dominator	H5114-1	H5114-2	H5114-3

DUAL CARBURETOR LINE KIT



Includes Applicable O-Ring or Crush Washers

Size	Application	Black / E85 Hose	Clear / Stainless Hose
-06	Holley 4150	H511785-3	H5117-5
-08	Holley 4150	H511585-3	H5115-5
-06	Ultra	H510685-3	H5106-5
-08	Ultra	H510885-3	H5108-5
-08	Holley 4500 Dominator	H511485-3	H5114-5



FEMALE CARBURETOR INLET FITTINGS

Pkg of 2



Includes Applicable O-ring or Washer

AN	Size	Application	Red/Blue	Black	Clear
-06	7/8-20	Holley	H06-2	H06-3	H06-5
-08	7/8-20	Holley	H08-2	H08-3	H08-5
-06	-08 ORB	Holley Ultra HP	H106-2	H106-3	H106-5
-08	-08 ORB	Holley Ultra HP	H108-2	H108-3	H108-5
-06	9/16 -24	Demon BG	H16-2	H16-3	H16-5
-08	9/16 -24	Demon BG	H18-2	H18-3	H18-5

MALE CARBURETOR INLET FITTINGS SHORT

Pkg of 2

*Pkg of 1



Includes Applicable O-ring or Washer

AN	Size	Application	Black	Blue	Clear
-06	7/8-20	Holley Short	H068-3	H068-4	H068-5
-08	7/8-20	Holley Short	H087-3	H087-4	H087-5
-06	-08 ORB	Ultra HP Short	H0068-3	H0068-4	H0068-5
-08	-08 ORB	Ultra HP Short	H0087-3	H0087-4	H0087-5
-06	5/8-20	Carter AFB Edelbrock	H4067-3	H4067-4	H4067-5
-06*	1/2-20	Edelbrock 94	H946-3	H946-4	H946-5



MALE CARBURETOR INLET FITTINGS LONG



Pkg of 2

Includes Applicable O-ring or Washer

AN	Size	Application	Black	Blue	Clear
-06	7/8-20	Holley Long	H066-3	H066-4	H066-5
-08	7/8-20	Holley Long	H088-3	H088-4	H088-5
-06	-08 ORB	Ultra HP Long	H0066-3	H0066-4	H0066-5
-08	-08 ORB	Ultra HP Long	H0088-3	H0088-4	H0088-5
-06	9/16-24 1.10	BG Demon Holley SGL 600	H4069-3	H4069-4	H4069-5
-06	9/16-24 2.00	BG Demon Holley SGL 600	H4070-3	H4070-4	H4070-5
-08	9/16-24 2.00	BG Demon Holley SGL 600	H4089-3	H4089-4	H4089-5

CARBURETOR INLET PLUGS



Includes Crush Washer

Size	Black	Blue	Clear
7/8-20	H4099-3	H4099-4	H4099-5

FUEL PRESSURE REGULATORS



Size	Type	Application	Black	Black	Black
-06	EFI	Powersports. Adjustable from 0-100 PSI	F52106-3	-	-
-06	Carbureted	5 to 12 lbs Gas or Alcohol 1/8 Pressure Port	-	F70206-3	-
-06	EFI	30-65 lbs Gas or Alcohol 1/8 Pressure Port Boost Referenced 1:1	-	-	F50106-3
-08	EFI	30-65lbs Gas or Alcohol. 1/8 Pressure Port. Boost Referenced 1:1	-	-	F50108-3

FUEL PRESSURE GAUGE



Application	Port		Black	Black
Carbureted	1/8	0 TO 15 PSI SILICONE FILLED	F305015-3	-
EFI	1/8	0 TO 100 PSI SILICONE FILLED	-	F305100-3



Phenix Fuel Pressure Gauges are manufactured in the USA and silicone filled for vibration resistance and available in two different pressure configurations. 0 to 15 PSI for carbureted applications and 0 to 100 PSI for fuel injected systems. These gauges are in an all-black case and face with high visibility yellow numbers and markings



Phenix Industries is proud to offer our modular fuel filter design. Whether you are using the filter for a street Honda or a blown fuel motor, this will do the job. You select the inlet size from -06 to -12 and the outlet size from -06 to -12 based on what your engine needs. No ORB fittings to buy in addition to the filter, the male AN is machined onto the filter caps, along with four choices of filter media: 100, 60, 30 or 10 micron. All filter elements in stainless steel mesh so they can be cleaned and used indefinitely.

SELECT-FLO FUEL FILTERS



Inlet Size	Outlet Size	Black
-06	-06	F32066-3
-08	-06	F32086-3
-08	-08	F32088-3
-10	-06	F320106-3
-10	-08	F320108-3
-10	-10	F3201010-3
-12	-06	F320126-3
-12	-08	F320128-3
-12	-10	F3201210-3
-12	-12	F3201212-3



Add /10 /30, /60 or /100 to the end of the part number to specify what micron fuel filter element you want. Example: F320108-3/30 would be -10 inlet, -8 outlet, color black with a 30 micron element. Available in 100, 60, 30 and 10 micron stainless elements.

SELECT-FLO DUAL STAGE FUEL FILTERS



Inlet Size	Outlet Size	Black
-06	-06	F320266-3
-08	-06	F320286-3
-08	-08	F320288-3
-10	-06	F3202106-3
-10	-08	F3202108-3
-10	-10	F32021010-3
-12	-06	F3202126-3
-12	-08	F3202128-3
-12	-10	F32021210-3
-12	-12	F32021212-3

Phenix has developed a new dual stage fuel filter. One filter, two chambers with separate filter elements. This will allow you to filter the fuel in the first chamber to remove all the larger debris and then fine filter the fuel in the second chamber down to 30 micron. To order, pick your inlet and outlet sizes, then your elements. Example: F3202108-3/60/30 is dual stage, -10 inlet, -8 outlet, black with a 60 micron 1st stage and 30 micron 2nd stage. Available in 100, 60, 30 and 10 micron stainless elements.

FILTER MOUNTING BRACKET



Description					
Type A	F3210-0	-	-	-	-
Type B	-	F3212-0	-	-	-
Tube Mount 1-1/2"	-	-	F3213-0	-	-
Tube Mount 1-5/8"	-	-	-	F3214-0	-
Tube Mount 1-3/4"	-	-	-	-	F3215-0

COMPACT IN-LINE 40 MICRON FILTER



AN	Body	Black	Blue	Clear
-04	2-1/2	F79044-3	F79044-4	F79044-5
-06	2-1/2	F79066-3	F79066-4	F79066-5
-08	2-5/8	F79088-3	F79088-4	F79088-5

COMPACT PUSH-LOK IN-LINE 40 MICRON FILTER



Barb	Body	Black	Blue	Clear
5/16	3	F79255-3	F79255-4	F79255-5
3/8	3-1/16	F79266-3	F79266-4	F79266-5
1/2	3-3/8	F79288-3	F79288-4	F79288-5

REPLACEMENT FILTER PARTS

For F79XXX Compact Fuel Filters



TECH TIP

Our fuel filters are designed to be used in conjunction with each other. The Primary filter should be placed between the tank and the pump and will collect all of the major debris before it has a chance to damage the pump. The Compact In Line filter should be placed between the fuel pump and the carburetor or injector nozzles. This is a 40 micron stainless mesh screen type filter which should be cleaned on a regular basis.

Description

40 Micron Filter	F79000	-
O-Ring FKM All	-	F79001



UNIVERSAL 37° IN-LINE FILTER



AN	Stainless
-06	F32506-11
-08	F32508-11
-10	F32510-11
-12	F32512-11
-16	F32516-11
-20	F32520-11



SCREW BACK FUEL RAIL FITTINGS



AN	Tube Size	Black	Blue	Clear
-06	5/16	F65160-3	F65160-4	F65160-5
-08	5/16	F85160-3	F85160-4	F85160-5
-06	3/8	F68380-3	F68380-4	F68380-5
-08	3/8	F8380-3	F8380-4	F8380-5

CLIP TYPE FUEL RAIL FITTINGS GM



AN	Tube Size	Black	Blue	Clear
-06	5/16	F6516-3	F6516-4	F6516-5
-06	3/8	F638-3	F638-4	F638-5
-08	3/8	F838-3	F838-4	F838-5

90° CLIP TYPE FUEL RAIL FITTINGS GM



AN	Tube Size	Black	Blue	Clear
-06	5/16	F906516-3	F906516-4	F906516-5
-06	3/8	F90638-3	F90638-4	F90638-5
-08	3/8	F90838-3	F90838-4	F90838-5

REPLACEMENT CLIPS



Tube Size	
5/16	F516
3/8	F38

FORD EFI FITTINGS


AN	Tube Size	Black	Blue	Clear
-06	.434	F6434-3	F6434-4	F6434-5
-06	.550	F6550-3	F6550-4	F6550-5
-08	.550	F8550-3	F8550-4	F8550-5

AN TO MALE QUICK CONNECT STRAIGHT


AN	Tube Size	Black	Blue	Clear
-06	5/16	F65161-3	F65161-4	F65161-5
-06	3/8	F6381-3	F6381-4	F6381-5
-08	5/16	F85161-3	F85161-4	F85161-5
-08	3/8	F8381-3	F8381-4	F8381-5

90° AN TO MALE QUICK CONNECT


AN	Tube Size	Black	Blue	Clear
-06	5/16	F9065161-3	F9065161-4	F9065161-5
-06	3/8	F906381-3	F906381-4	F906381-5
-08	3/8	F908381-3	F908381-4	F908381-5



AN MALE TO AN MALE WITH 1/8 PORT



AN	Black	Blue	Clear
-03	A0378-3	A0378-4	A0378-5
-04	A0478-3	A0478-4	A0478-5
-06	A0668-3	A0668-4	A0668-5
-08	A0878-3	A0878-4	A0878-5
-10	A1078-3	A1078-4	A1078-5
-12	A1278-3	A1278-4	A1278-5
-16	A1678-3	A1678-4	A1678-5

90° AN MALE WITH 1/8 PORT



AN	Black	Blue	Clear
-06	A69018-3	A69018-4	A69018-5
-08	A89018-3	A89018-4	A89018-5
-10	A109018-3	A109018-4	A109018-5

AN TEE WITH 1/8 PORT



AN	Black	Blue	Clear
-06	A62418-3	A62418-4	A62418-5
-08	A82418-3	A82418-4	A82418-5
-10	A102418-3	A102418-4	A102418-5

FEMALE SWIVEL TO MALE AN WITH 1/8 PORT



AN	Black	Blue	Clear
-03	A0331-3	A0331-4	A0331-5
-04	A0441-3	A0441-4	A0441-5
-06	A0661-3	A0661-4	A0661-5
-08	A0881-3	A0881-4	A0881-5
-10	A1011-3	A1011-4	A1011-5
-12	A1211-3	A1211-4	A1211-5
-16	A1611-3	A1611-4	A1611-5

AN MALE TO NPT MALE WITH 1/8 PORT



AN	NPT	Black	Blue	Clear
-04	1/8	A0418-3	A0418-4	A0418-5
-06	1/8	A0618-3	A0618-4	A0618-5
-06	1/4	A0678-3	A0678-4	A0678-5
-06	3/8	A0688-3	A0688-4	A0688-5
-08	1/4	A0888-3	A0888-4	A0888-5
-08	3/8	A0898-3	A0898-4	A0898-5
-10	1/2	A01012-3	A01012-4	A01012-5



AN MALE Y FITTINGS



AN	AN	AN	Black	Blue	Clear
-03	-03	-03	F3333-3	F3333-4	F3333-5
-04	-03	-03	F3433-3	F3433-4	F3433-5
-04	-04	-04	F3444-3	F3444-4	F3444-5
-06	-04	-04	F3644-3	F3644-4	F3644-5
-06	-06	-06	F3606-3	F3606-4	F3606-5
-08	-06	-06	F3866-3	F3866-4	F3866-5
-08	-08	-08	F3888-3	F3888-4	F3888-5
-10	-08	-08	F3188-3	F3188-4	F3188-5
-10	-10	-10	F3111-3	F3111-4	F3111-5
-12	-10	-10	F3211-3	F3211-4	F3211-5
-12	-12	-12	F3222-3	F3222-4	F3222-5
-16	-16	-16	F31666-3	F31666-4	F31666-5

FUEL CELL BULKHEADS



Includes PTFE Washers

Size	Black	Blue	Clear
-06	F9006-3	F9006-4	F9006-5
-08	F9008-3	F9008-4	F9008-5
-10	F9010-3	F9010-4	F9010-5
-12	F9012-3	F9012-4	F9012-5
-16	F9016-3	F9016-4	F9016-5

PTFE WASHERS



Pkg of 2

Size	
-06	F9069
-08	F9089
-10	F9109
-12	F9129
-16	F9169

FUEL CELL ROLLOVER VALVE



AN	Black	Blue	Clear
-06	F3226-3	F3226-4	F3226-5
-08	F3228-3	F3228-4	F3228-5
-10	F32210-3	F32210-4	F32210-5
-12	F32212-3	F32212-4	F32212-5
-16	F32216-3	F32216-4	F32216-5

ONE WAY CHECK VALVE PISTON AND SPRING TYPE



AN	Black	Blue	Clear
-06	F3236-3	F3236-4	F3236-5
-08	F3238-3	F3238-4	F3238-5
-10	F32310-3	F32310-4	F32310-5
-12	F32312-3	F32312-4	F32312-5
-16	F32316-3	F32316-4	F32316-5

CHECK VALVE FOR BOSCH 044 FUEL PUMP



Includes Crush Washer

Outlet	Inlet	Black
-06	M10 x 1.0	F61010-3
-06	M12 x 1.5	F61215-3
-08	M10 x 1.0	F81010-3
-08	M12 x 1.5	F81215-3

IN-LINE FUEL SHUT-OFF VALVE



AN	Black	Blue	Clear
-04	F3244-3	F3244-4	F3244-5
-06	F3246-3	F3246-4	F3246-5
-08	F3248-3	F3248-4	F3248-5
-10	F32410-3	F32410-4	F32410-5
-12	F32412-3	F32412-4	F32412-5
-16	F32416-3	F32416-4	F32416-5



SHORT BANJO



AN	Banjo	Steel	Black Steel	Stainless
-03	10 - 3/8	G61003-7	G61003-8	G61003-11
-03	7/16	G61203-7	G61203-8	G61203-11
-04	10 - 3/8	G61004-7	G61004-8	G61004-11
-04	7/16	G61204-7	G61204-8	G61204-11

LONG BANJO



AN	Banjo	Steel	Black Steel	Stainless
-03	10 - 3/8	G61100-7	G61100-8	G61100-11
-03	12	G61200-7	G61200-8	G61200-11
-04	10 - 3/8	G61410-7	G61410-8	G61410-11
-04	12	G61412-7	G61412-8	G61412-11

20° BANJO



AN	Banjo	Steel	Black Steel	Stainless
-03	10 - 3/8	G620310-7	G620310-8	G620310-11
-03	7/16	G6203716-7	G6203716-8	G6203716-11
-04	12	G620412-7	G620412-8	G620412-11

45° BANJO



AN	Banjo	Steel	Black Steel	Stainless
-03	10-3/8	G645310-7	G645310-8	G645310-11
-03	7/16	G6453716-7	G6453716-8	G6453716-11
-03	12	G645312-7	G645312-8	G645312-11
-04	10-3/8	G645410-7	G645410-8	G645410-11

90° BANJO



AN	Banjo	Steel	Black Steel	Stainless
-03	10 - 3/8	G690310-7	G690310-8	G690310-11
-03	7/16	G6903716-7	G6903716-8	G6903716-11
-03	12	G690312-7	G690312-8	G690312-11
-04	10 - 3/8	G690410-7	G690410-8	G690410-11
-04	7/16	G6904716-7	G6904716-8	G6904716-11

Banjo bolts are specialized fasteners used to connect fluid lines - such as fuel, oil, or brake lines - to components like carburetors, master cylinders, or turbochargers. They are designed to work with banjo fittings and allow fluid to flow through the bolt itself and into the attached line. This setup enables a compact, leak-resistant connection that can be tightened securely without twisting the hose. Banjo bolts are especially useful in tight spaces where traditional fittings might not fit or allow proper hose alignment.

US SPEC BANJO BOLTS



Includes Crush Washers

Size	Grip Length	Steel	Black Steel	Stainless
3/8-24	.780	G53824780-7	G53824780-8	G53824780-11
3/8-24	.984	G53824984-7	G53824984-8	G53824984-11
7/16-20	.984	G571620984-7	G571620984-8	G571620984-11
7/16-20	1.260	G571620126-7	G571620126-8	G571620126-11

US SPEC DOUBLE BANJO BOLTS



Includes Crush Washers

Size	Grip Length	Steel	Black Steel	Stainless
3/8-24	1.220	G5382412-7	G5382412-8	G5382412-11
3/8-24	1.575	G5382415-7	G5382415-8	G5382415-11
7/16-20	1.220	G57162012-7	G57162012-8	G57162012-11
7/16-20	1.515	G57162015-7	G57162015-8	G57162015-11



TECH TIP

Grip Length is the distance from the bottom of the Hex to the end of the bolt



METRIC BANJO BOLTS



Includes Crush Washers

Size	Grip Length	Steel	Black Steel	Stainless
M10 x 1.00	20	G51010020-7	G51010020-8	G51010020-11
M10 x 1.00	24	G51010024-7	G51010024-8	G51010024-11
M10 x 1.25	20	G51012520-7	G51012520-8	G51012520-11
M10 x 1.25	24	G51012524-7	G51012524-8	G51012524-11
M12 x 1.00	31	G51210031-7	G51210031-8	G51210031-11
M12 x 1.25	31	G51212531-7	G51212531-8	G51212531-11
M12 x 1.50	31	G51215031-7	G51215031-8	G51215031-11

METRIC DOUBLE BANJO BOLTS



Includes Crush Washers

Size	Grip Length	Steel	Black Steel	Stainless
M10 x 1.00	30	G51010030-7	G51010030-8	G51010030-11
M10 x 1.00	38	G51010038-7	G51010038-8	G51010038-11
M10 x 1.25	30	G51012530-7	G51012530-8	G51012530-11
M10 x 1.25	39	G51012539-7	G51012539-8	G51012539-11

PREMIUM QUALITY COATED BRAKE LINES WITH STAINLESS CRIMP FITTINGS



AN	Length (in)	Black	Clear
-03	10	G810-3	G810-5
-03	12	G812-3	G812-5
-03	14	G814-3	G814-5
-03	15	G815-3	G815-5
-03	16	G816-3	G816-5
-03	17	G817-3	G817-5
-03	18	G818-3	G818-5
-03	19	G819-3	G819-5
-03	20	G820-3	G820-5
-03	21	G821-3	G821-5
-03	22	G822-3	G822-5

Safety Note: Using aluminum fittings in brake plumbing is not advised for street use and may be illegal depending on where you live. Pre-made brake lines are not DOT approved

BUMP TUBE FITTING AN TO METRIC



Includes O-Ring

AN	Metric	Black	Blue	Clear	Stainless
-06	M14 x 1.50	F6439-3	F6439-4	F6439-5	F6439-11
-06	M16 x 1.50	F6639-3	F6639-4	F6639-5	F6639-11
-06	M18 x 1.50	F6839-3	F6839-4	F6839-5	F6839-11
-08	M14 x 1.50	F8439-3	F8439-4	F8439-5	-
-08	M16 x 1.50	F8639-3	F8639-4	F8639-5	-
-08	M18 x 1.50	F8839-3	F8839-4	F8839-5	-



AN MALE TO US SPEC MALE INVERTED FLARE



AN	IVF	Black	Blue	Clear	Stainless
-03	3/8-24	-	-	-	G44001-11
-03	7/16-24	-	-	-	G44002-11
-03	7/16-20	-	-	-	G44003-11
-03	1/2-20	-	-	-	G44005-11
-03	9/16-18	-	-	-	G44006-11
-03	9/16-20	-	-	-	G44916-11
-04	3/8-24	-	-	-	G44004-11
-04	7/16-24	G44402-3	G44402-4	G44402-5	G44402-11
-04	7/16-20	-	-	-	G44403-11
-04	5/8-18	G44458-3	G44458-4	G44458-5	G44458-11
-06	3/8-24	G638-3	G638-4	G638-5	G638-11
-06	7/16-24	G650-3	G650-4	G650-5	G650-11
-06	1/2-20	G0650-3	G0650-4	G0650-5	G0650-11
-06	5/8-18	G0662-3	G0662-4	G0662-5	G0662-11
-06	11/16-18	G0668-3	G0668-4	G0668-5	G0668-11
-08	1/2-20	G0850-3	G0850-4	G0850-5	G0850-11
-08	5/8-18	G0862-3	G0862-4	G0862-5	G0862-11

AN MALE TO METRIC MALE INVERTED FLARE



AN	IVF	Steel	Black Steel	Stainless
-03	M10 x 1.00	G310100-7	G310100-8	G310100-11
-03	M10 x 1.25	G310125-7	G310125-8	G310125-11
-03	M10 x 1.50	G310150-7	G310150-8	G310150-11
-03	M12 x 1.00	G312100-7	G312100-8	G312100-11
-03	M12 x 1.25	G312125-7	G312125-8	G312125-11
-03	M12 x 1.50	G312150-7	G312150-8	G312150-11

BRAKE TUBE FITTINGS


AN Male	IVF Female	Steel	Black Steel	Stainless
-03	1/8 NPT	-	-	F44013-11
-03	3/8-24	F44005-7	F44005-8	F44005-11
-03	7/16-24	F44007-7	F44007-8	F44007-11
-04	1/8 NPT	-	-	F44014-11
-04	3/8-24	F44405-7	F44405-8	F44405-11
-04	7/16-24	F44407-7	F44407-8	F44407-11

METRIC BRAKE TUBE FITTINGS


AN Male	IVF Female	Application	Steel	Black Steel	Stainless
-03	M10 x 1.00	-	F441010-7	F441010-8	F441010-11
-03	M10 x 1.00	Toyota	F441011-7	F441011-8	F441011-11
-03	M10 x 1.00	Nissan	F441012-7	F441012-8	F441012-11
-03	M10 x 1.00	Honda	F441013-7	F441013-8	F441013-11
-03	M10 x 1.00	Mazda	F4410125-7	F4410125-8	F4410125-11
-03	M10 x 1.00	Mitsubishi	F4410150-7	F4410150-8	F4410150-11
-03	M10 x 1.00	Subaru	F4410160-7	F4410160-8	F4410160-11



Steering box fittings are essential components that connect the power steering hoses to the steering gearbox, allowing for the smooth flow of hydraulic fluid. These fittings ensure a secure, leak-free connection under high pressure, enabling precise steering response and control. High-quality fittings are crucial for maintaining steering performance and preventing fluid leaks that could lead to failure or reduced responsiveness.



TECH TIP

When it comes to fittings for Ford rack and pinion type steering systems it is complicated by the fact that there are a number of different manufactures both domestic and foreign. Extra care must be taken to get the correct size and configuration.

LATE MUSTANG US THREAD

Common to Ford rack and pinion individual fittings. Conventional thread seals on crush washer.



Includes Crush Washer

AN	Size	Stainless
-06	9/16-18	G69161-11
-06	5/8-18	G06621-11
Set of Both Sizes		G066162-11

1982 TO 1988 T-BIRD POWER RACK AND PINION FITTINGS

Bump Tube Style



Includes O-Ring

AN	Size	Stainless
-06	9/16-18	F691618-11
-06	5/8-18	F65818-11
Set of Both Sizes		F691658-11

1977-1978 MUSTANG II RACK & PINION FITTINGS

Bump Tube Style



Includes O-Ring

AN	Size	Stainless
-06	1/2-20	F61220-11
-06	5/8-18	F65818-11
Set of Both Sizes		F61258-11



MAVAL MFG RACK & PINION FITTINGS

Bump Tube Style



Includes O-Ring

AN	Size	Stainless
-06	9/16-18	F691618-11
-06	5/8-18	F65818-11
Set of Both Sizes		F691658-11

SAGINAW 600 STEERING BOX FITTINGS

Bump Tube Style



Includes O-Ring

AN	Size	Stainless
-06	5/8-18	F65818-11
-06	11/16-18	F6111618-11
Set of Both Sizes		F6581116-11

1965-1979 GM STEERING BOX FITTINGS



AN	Size	Black	Blue	Clear	Stainless
-06	5/8-18	G0662-3	G0662-4	G0662-5	G0662-11
-06	11/16-18	G0668-3	G0668-4	G0668-5	G0668-11
Set of Both Sizes		G06628-3	G06628-4	G06628-5	G06628-11

1980 AND UP GM POWER STEERING FITTINGS

Bump Tube Style



Includes O-Ring

AN	Size	Black	Blue	Clear	Stainless
-06	5/8-18	F6639-3	F6639-4	F6639-5	F6639-11
-06	11/16-18	F6839-3	F6839-4	F6839-5	F6839-11
Set of Both Sizes		F66839-3	F66839-4	F66839-5	F66839-11



Ditch the Bulky Plastic

Our Wilwood Compact Master Cylinder remote mount reservoir kit is available in space-saving 2 oz. capacity, made from billet aluminum.

MASTER CYLINDER RESERVOIR - DIRECT MOUNT

- 2oz Capacity
- Billet Aluminum
- Includes Cap, O-Ring, and Sleeve



Application	Black	Clear
Wilwood Compact Master Cylinder	Q1401-3	Q1401-0

MASTER CYLINDER RESERVOIR - REMOTE MOUNT KIT

- 2oz Capacity
- Billet Aluminum
- Includes Cap, O-Ring, Sleeve, Fitting, 12" Line, and Billet Mounting Clamp



Application	Black	Clear
Wilwood Compact Master Cylinder	Q1400-3	Q1401-0

A remote bleed screw on a clutch system provides a convenient, one-person method for bleeding air from hydraulic lines by relocating the bleeder from a hard to reach slave cylinder to an accessible spot under the hood.

REMOTE BLEED SCREW



AN	Stainless
-03	Q303-11

CLUTCH REMOTE BLEEDER KIT

Upgrade Your System

If you have a hydraulic throwout bearing with the bleeder screw located inside of the bellhousing, this assembly is for you. Our kit not only features a remote system which allows the bleeder screw to be located outside of the clutch bellhousing, it also allows for any hydraulic fluid released from the system to be vented outside of the bellhousing and clutch area. Not only does this allow you to easily bleed the system without removing any inspection covers, it keeps your clutch dry and fluid free to ensure no premature slippage or wear due to clutch disc oil contamination. Our system is designed to fit Tilton style throwout bearings and any other system using a M10 x 1.5 bleed port.



Q1001

PREMIUM COATED PREMADE CLUTCH LINES



AN	Length (in)	Coated Stainless
-04	12	Q412-5
-04	16	Q416-5
-04	18	Q418-5
-04	24	Q424-5
-04	30	Q430-5
-04	36	Q436-5
-04	48	Q448-5

STANDARD PREMADE CLUTCH LINES



AN	Length (in)	Stainless
-04	11	Q411-11
-04	24	Q424-11
-04	30	Q430-11
-04	36	Q436-11
-04	48	Q448-11



MASTER CYLINDER ADAPTER



Includes O-Ring

AN	Size	Application	Stainless	Stainless
-04	9/16-18	Early Model	Q71620-11	-
-06	5/8-18	Late Model	-	Q41740-11

Adapter converts OEM master cylinders, clutch release bearings & slave cylinders to use AN -04 PTFE hose.

Allows replacement of the OEM plastic clutch hose – Use with HP clutches, racing & high heat applications.

Improved pedal feel with braided stainless steel PTFE clutch hose (Speed Flex/Speed Seal – instead of plastic hose). Ideal for engine swaps and vehicles that use aftermarket master cylinders with the OEM clutch release bearing.

Early Model Style Fitting

Fits: Most 2009 and prior GM vehicles with plastic clutch hose, and most 2006 and prior Jeep / Mopar Vehicles with plastic clutch hose (also fits many other vehicles). These special stainless steel adapter fittings works with most late-model master cylinders, hydraulic clutch release bearings, and slave cylinders.

Late Model Style Fitting

Fits: Most OEM late model Ford/GM/Chrysler clutch master cylinder and clutch release bearings.

90° MASTER CYLINDER ADAPTER



Includes O-Ring

AN	Size	Application	Black Steel
-04	9/16-18	Early Model	Q7163090-8

THROWOUT BEARING ADAPTER



Includes Crush Washer

AN	Size	Black
-04	M10 X 1.50	Q5339-3

New One-Piece Fittings for Wilwood Brake Master Cylinders

Instead of stacking multiple adapters, we've created a simple one-piece fitting that goes directly from a 1/2x20 male thread to a -03 AN male fitting. Just screw it into your Wilwood master cylinder and you're done - quick and clean!

MASTER CYLINDER FITTING

Made from corrosion-resistant 303 stainless steel for durability.

These new fittings are designed for all Wilwood Master Cylinders with 1/2-20 threaded ports.



Includes Crush Washer

AN	Size	Stainless Steel
-03	1/2-20	G31220-11

Need a 90° fitting for tight spaces? We also have a 1/2-20 to 1/8" NPT female fitting, perfect for adding a B31890-11 elbow where space is limited.

Made from corrosion-resistant 303 stainless steel for durability.

These new fittings are designed for all Wilwood Master Cylinders with 1/2-20 threaded ports.

FEMALE MASTER CYLINDER FITTING



Includes Crush Washer

AN	Size	Stainless Steel
-03	1/2-20	G181220-11



Ultimate Lightweight Performance

Phenix is pleased to offer our **4lb 2oz lightweight water pump**. Each 20 gpm water pump comes with the necessary electrical wiring. Optional mounting brackets are also available for purchase separately. Like any other quality mechanical device, proper installation and maintenance of the pump will provide a long life of worry-free performance.



TECH TIP

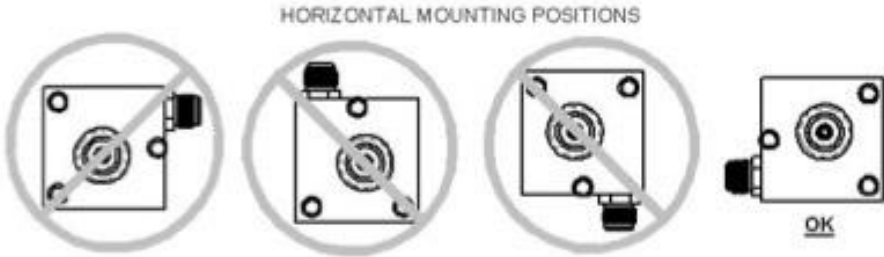
A dirty cooling system will not only damage the pump, but it does not remove heat as efficiently from the engine. Particles suspended in the coolant (rust, dirt, machining residue, etc.) have been known to prematurely wear impellers, and cause seal failure. Flush the entire cooling system before installing the pump. This should be done after any modifications to the cooling system (changing fittings, hoses, etc.), as those modifications can loosen dirt and rust in the engine, heater core, or radiator. It is always good practice to flush the radiator after the vehicle has been sitting for more than four weeks. Always install the pump so that it can drain completely when the cooling system is drained. This will help rid the pump of dirt and debris, and will help prevent freeze problems in the winter.



LIGHTWEIGHT IN-LINE WATER PUMP 20 GPM



Description	Black	Steel
In Line Pump 20 GPM	R50020-3	-
Mounting Brackets	-	R5021-7



OIL GAUGE FITTINGS EXTENDED



AN	NPT	Length	Black	Blue	Clear
-03	1/8	2.394	D7903-3	D7903-4	D7903-5
-04	1/8	2.469	D7904-3	D7904-4	D7904-5

STACK PLATE OIL COOLER FITTINGS



AN	Size	Black	Blue	Clear
-04	M22 x 1.5	A42239-3	A42239-4	A42239-5
-06	M22 x 1.5	A62239-3	A62239-4	A62239-5
-08	M22 x 1.5	A82239-3	A82239-4	A82239-5
-10	M22 x 1.5	A102239-3	A102239-4	A102239-5
-12	M22 x 1.5	A122239-3	A122239-4	A122239-5
-16	M22 x 1.5	A162239-3	A162239-4	A162239-5

LS FITTINGS



Includes Crush Washer

Metric	NPT	Application	Black	Blue	Clear
M12 x 1.5	1/8	LS Water Temp Fitting	B1218-3	B1218-4	B1218-5
M16 x 1.5	1/8	LS Oil Pressure Gauge	B1618-3	B1618-4	B1618-5



Transmission fittings are critical connectors used to join cooler lines to the transmission or auxiliary coolers. Our fittings ensure a secure, leak-free pathway for transmission fluid to flow, helping to regulate temperature and maintain optimal transmission performance. High quality fittings improve fluid circulation, reduce wear on internal components, and support the longevity and efficiency of the transmission system, especially in high performance or heavy duty applications.

GM PG/TH350/TH400/700R-4/200-4R/1991-95 4L60E

FORD C5/AOD/AODE/4R70W/E40D/4R100

Set of 2 Fittings



Includes Crush Washer

AN	Black	Blue	Clear
-06	N614-3	N614-4	N614-5
-08	N814-3	N814-4	N814-5

GM 4L80 - SET



Set of 2 Fittings. Includes Crush Washer

AN	NPS	Application	Black	Blue	Clear
-06	1/4	Early Type	N6144-3	N6144-4	N6144-5
-06	9/16	2009 Up	N6916-3	N6916-4	N6916-5

FORD 4R70



Set of 2 Fittings.

AN	Black
-06	N4070-3

Turbo fittings are specialized connectors used to route oil and coolant lines to and from a turbo-charger, ensuring proper lubrication and temperature regulation. These fittings are designed to withstand high pressures and extreme heat, making them essential for maintaining turbo efficiency and reliability. Proper turbo fittings help prevent oil starvation, overheating, and leaks, all of which can lead to turbo failure. Using high quality Phenix fittings is crucial for supporting turbo performance and extending the life of your engine.

STRAIGHT TURBO OIL RESTRICTOR FITTINGS

GARRETT BALL BEARING GT25R, GT28R, GT30R, GT35R



AN	Size	Restrictor	Stainless
-03	7/16-24	0.35	B371635-11
-03	7/16-24	0.40	B371640-11
-03	7/16-24	0.45	B371645-11
-03	7/16-24	0.50	B371650-11
-03	7/16-24	0.55	B371655-11
-03	7/16-24	0.60	B371660-11
-04	7/16-24	0.35	B471635-11
-04	7/16-24	0.40	B471640-11
-04	7/16-24	0.45	B471645-11
-04	7/16-24	0.50	B471650-11
-04	7/16-24	0.55	B471655-11
-04	7/16-24	0.60	B471660-11

SAFETY NOTE

Great care must be taken when plumbing turbo systems to use fittings made of the appropriate material. Aluminum is not suitable in some situations due to operating temperatures involved and Phenix strongly suggests stainless steel for high temperature applications.



WELD BUNGS FEMALE



AN	Size	Aluminum	Steel	Stainless
-03	3/8-24	D90333-0	D90333-7	D90333-11
-04	7/16-20	D90434-0	D90434-7	D90434-11
-06	9/16-18	D90656-0	D90656-7	D90656-11
-08	3/4-16	D90875-0	D90875-7	D90875-11
-10	7/8-14	D91087-0	D91087-7	D91087-11
-12	1-1/16-12	D91211-0	D91211-7	D91211-11
-16	1-5/16-12	D91613-0	D91613-7	D91613-11
-20	1-5/8-12	D92015-0	D92015-7	D92015-11

WELD BUNGS MALE HEX BASE



AN	Size	Aluminum
-03	3/8-24	D9903-0
-04	7/16-20	D9904-0
-06	9/16-18	D9906-0
-08	3/4-16	D9908-0
-10	7/8-14	D9910-0
-12	1-1/16-12	D9912-0
-16	1-5/16-12	D9916-0
-20	1-5/8-12	D9920-0

WELD BUNG WITH CAP



ID	OD	Aluminum
1	1.47	D99910-3
1.5	1.94	D99915-3
2	2.61	D99920-3
2.5	3.23	D99925-3
3	3.77	D99930-3

WELD BUNGS MALE ROUND BASE



AN	Size	Aluminum	Steel	Stainless
-03	3/8-24	D99031-0	D9903-7	D9903-11
-04	7/16-20	D99041-0	D9904-7	D9904-11
-06	9/16-18	D99061-0	D9906-7	D9906-11
-08	3/4-16	D99081-0	D9908-7	D9908-11
-10	7/8-14	D99101-0	D9910-7	D9910-11
-12	1-1/16-12	D99121-0	D9912-7	D9912-11
-16	1-5/16-12	D99161-0	D9916-7	D9916-11
-20	1-5/8-12	D99201-0	D9920-7	D9920-11

WELD BUNGS FEMALE NPT


NPT	Aluminum	Steel	Stainless
1/8	D99125-0	D99125-7	D99125-11
1/4	D99250-0	D99250-7	D99250-11
3/8	D99375-0	D99375-7	D99375-11
1/2	D99500-0	D99500-7	D99500-11
3/4	D99750-0	D99750-7	D99750-11
1	D99875-0	D99875-7	D99875-11
1-1/4	D99114-0	D99114-7	D99114-11

BARB WELD BUNGS


AN	HOSE ID	Aluminum	Steel	Stainless
-04	1/4	D8904-0	D8904-7	D8904-11
-06	3/8	D8906-0	D8906-7	D8906-11
-08	1/2	D8908-0	D8908-7	D8908-11
-10	5/8	D8910-0	D8910-7	D8910-11
-12	3/4	D8912-0	D8912-7	D8912-11

WELD BUNG FOR LS WATER PUMP


Size	Aluminum
-16 x 2.5	R1625-0

O2 SENSOR BUNG


Size	Steel	Stainless
M18 x 1.5	E1815-7	E1815-11



BILLET HOSE SEPARATORS



ID		AN	Black	Blue	Clear
3/16	0.187	-	P6316-3	P6316-4	P6316-5
1/4	0.250	-	P614-3	P614-4	P614-5
5/16	0.312	-	P6516-3	P6516-4	P6516-5
3/8	0.375	-03	P638-3	P638-4	P638-5
7/16	0.437	-04	P6716-3	P6716-4	P6716-5
1/2	0.50	-	P612-3	P612-4	P612-5
17/32	0.531	-	P61732-3	P61732-4	P61732-5
9/16	0.562	-06	P6916-3	P6916-4	P6916-5
19/32	0.594	-	P61932-3	P61932-4	P61932-5
5/8	0.625	-08	P658-3	P658-4	P658-5
21/32	0.656	-	P62132-3	P62132-4	P62132-5
11/16	0.687	-	P61116-3	P61116-4	P61116-5
3/4	0.750	-10	P634-3	P634-4	P634-5
7/8	0.875	-	P678-3	P678-4	P678-5
15/16	0.937	-12	P61516-3	P61516-4	P61516-5
1	1.00	-	P61-3	P61-4	P61-5
1-1/16	1.062	-	P62116-3	P62116-4	P62116-5

BILLET (P) CLAMPS



ID		AN	Black	Blue	Clear
3/16	0.187	-	P5316-3	P5316-4	P5316-5
1/4	0.250	-	P514-3	P514-4	P514-5
5/16	0.312	-	P5516-3	P5516-4	P5516-5
3/8	0.375	-03	P538-3	P538-4	P538-5
7/16	0.437	-04	P5716-3	P5716-4	P5716-5
1/2	0.50	-	P512-3	P512-4	P512-5
9/16	0.562	-06	P5916-3	P5916-4	P5916-5
5/8	0.625	-08	P558-3	P558-4	P558-5
3/4	0.750	-10	P534-3	P534-4	P534-5
15/16	0.937	-12	P51516-3	P51516-4	P51516-5

HEX FINISHERS



ID	AN	Black	Blue	Clear
.504	-04	P704-3	P704-4	P704-5
.630	-06	P706-3	P706-4	P706-5
.699	-08	P708-3	P708-4	P708-5
.827	-10	P710-3	P710-4	P710-5
.985	-12	P712-3	P712-4	P712-5
1.204	-16	P716-3	P716-4	P716-5
1.600	-20	P720-3	P720-4	P720-5



CUSHION CLAMPS



ID	AN	Pkg Qty	
1/4	0.250	-03 (PTFE)	10 M304
3/8	0.375	-04	10 M306
1/2	0.500	-06	10 M308
5/8	0.625	-08	5 M310
3/4	0.750	-10	5 M312
1	1.000	-12	5 M316
1-1/8	1.125	-16	5 M318
1-1/4	1.250	-20	5 M320

STAINLESS STEEL T-BOLT CLAMPS



STAINLESS SAFETY CLAMPS FOR PUSH-LOK HOSE ENDS



AN	Pkg Qty	Stainless
-04	4	M2194-11
-06	4	M2196-11
-08	4	M2198-11
-10	4	M21910-11
-12	4	M21912-11

Size	Stainless
44-47MM	1.730-1.850 M4447-11
48-51MM	1.890-2.007 M4851-11
52-55MM	2.046-2.165 M5255-11
56-59MM	2.204-2.323 M5659-11
60-63MM	2.362-2.480 M6063-11
64-67MM	2.519-2.638 M6467-11
68-73MM	2.677-2.874 M6873-11
74-79MM	2.913-3.110 M7479-11
80-85MM	3.149-3.347 M8085-11
86-91MM	3.386-3.583 M8691-11
92-97MM	3.621-3.890 M9297-11
98-103MM	3.858-4.055 M98103-11
104-112MM	4.095-4.410 M104112-11

FKM O-RINGS



ORB	Pkg Qty	FKM
-03	10	D300
-04	10	D400
-06	10	D600
-08	10	D800
-10	10	D1000
-12	10	D1200
-16	10	D1600
-20	5	D2000

PTFE WASHERS



Size	Pkg Qty	PTFE
-06	2	F9069
-08	2	F9089
-10	2	F9109
-12	2	F9129
-16	2	F9169

AN ALUMINUM CRUSH WASHERS



AN	Size	Pkg Qty	Aluminum
-03	3/8	10	M93810-0
-04	7/16	10	M9716-0
-06	9/16	5	M9916-0
-08	3/4	5	M934-0
-10	7/8	5	M978-0
-12	1-1/16	5	M91116-0
-16	1-5/16	2	M91516-0
-20	1-5/8	2	M9158-0

METRIC ALUMINUM CRUSH WASHERS



Size	Pkg Qty	Aluminum
6MM	10	M96-0
8MM	10	M98-0
10MM	10	M93810-0
12MM	5	M912-0
14MM	5	M914-0
16MM	5	M916-0
18MM	2	M918-0
20MM	2	M920-0
22MM	2	M922-0



BILLET VISE JAWS



Black

M1001-3

Essential for any workshop, Phenix Vise Jaws are milled from 6061 aluminum. These protect your fittings from getting scratched during installation and are superior to cast versions. Features a magnetic back for easy installation and removal. Sold as a set.

ADJUSTABLE AN WRENCH



Black

M1003-3

Our adjustable AN wrench is a versatile tool designed to fit a wide range of AN fitting sizes with a single wrench. Made from lightweight, non-marring aluminum, it allows for precise adjustment to securely grip fittings without damaging their anodized finish. Ideal for mechanics and builders, the adjustable AN wrench eliminates the need for multiple fixed-size wrenches, saving space in the toolbox.

DOUBLE ENDED AN WRENCHES -03 TO -20



Black

M1002-3

Made from aluminum to prevent scratching or damaging anodized fittings, these wrenches provide a secure grip and help ensure proper torque without marring the fittings. Ideal for race shops and custom builds, our double-ended AN wrenches are a must have for precise, damage free fittings installation and maintenance.

PLIERS FOR STAINLESS SAFETY CLAMPS



M219100

These pliers provide the precise grip and leverage needed to compress and position clamps correctly without slipping or damaging your hose. These clamps ensure a tight, secure fit to prevent leaks and hose slippage under pressure.

BY RACERS. FOR RACERS.

It's what makes Phenix different. A family owned business made up of motorsport enthusiasts. From the CEO to the person packing your order, we're an American company with a passion for all things motor. We're not publicly held or owned by investment bankers. We're a group of gear heads, and our specialty is performance plumbing.

There hadn't been many developments in AN fittings since it was first introduced. Until Phenix entered the market in 2010 with an award-winning, locking AN design. Since our flagship product launched, we've not only introduced a full line of plumbing but also a wide variety of finishes previously unavailable and innovative new designs.

Some of the things that set Phenix apart include manufacturing adapters out of aircraft quality aluminum, smooth contoured hose ends for increased efficiency in fluid transfer, the use of PTFE to create a locking sealing surface, and many other features. Being a company that not only manufactures plumbing, but uses them on our own vehicles, we understand the unique requirements and challenges that go along with fluid transfer. Our focus is Safety. Quality. Performance.

Safety is always priority in a high performance vehicle. You can't afford to have a line come loose and risk malfunction or even fire. With this in mind, we created a locking fitting that can be safety wired for extra security. By manufacturing out of 6061 and 2024 aircraft-grade aluminum, we've created a stronger more capable adapter. We've also designed adapters with a PTFE seal to keep fittings from inadvertently loosening during extreme use.

Quality We have heard countless times from our customers how easy our products are to use and assemble, especially compared to competitors products which they previously used. Because we manufacture fittings to AN specification, rather than cutting corners to save cost on machining and materials, our products assemble and function the way they're supposed to. Our superior compression hose ends are lightweight, one-piece billet tube with full swivel construction.

Performance is key to many of our customers. Whether off-road or drifting, they're pushing their vehicles to the limits. With that in mind, we develop plumbing products that are made to be pushed to their limit. For instance, a standard black braided-nylon hose typically only withstands an average 200-300 PSI, but with a Phenix stainless reinforced inner core it averages over 600 PSI. Another customer favorite is the smooth contoured interior of our adapters which are designed for improved fluid flow.

We have a guiding philosophy unlike many others in the industry: We wouldn't sell something we wouldn't use on our own cars. To us, things like safety weigh as heavily as performance. Why? Because we've been strapping on helmets for over 50 years, and because our customers are also our friends at the track.

WARRANTY & DISCLAIMER

All products are sold with a one (1) year limited warranty against defects in materials or workmanship. These parts are designed to be used off-road by professional crews in the field of racing. This warranty will not exceed the original purchase price of the goods. Any defective parts should be returned to Dealer where purchased. This warranty does not apply to any products subject to damage in transit, accident or misuse or abuse following the date of original purchase. Phenix Industries will not be liable for loss, damage, or injury from the use of these products. Racing by the nature of the business is a dangerous pursuit and the user is responsible for determining the suitability of the product and assumes all responsibility for its use.

Please visit phenixindustries.com for full terms and conditions





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