

Textile/Rubber Hose Specifications



FC332 AQP

(FBV Blue Cover or FBN Black Cover)

Construction: AQP elastomer tube, textile braid reinforcement, blue AQP elastomer cover.

Application: For gasoline, fuel and lubrication oils, air and water. Not recommended for hydraulic impulse or air brake applications.

Operating Temperature Range: -40 f to +300 f (-40 c to 150 c).

[Link to suitable hose end fittings](#)

Part Number	Hose I.D. (inch)	Hose O.D. (inch)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inch)	Vacuum Service (in/Hg)	Weight Per Foot (lbs.)
FBN-04	.25"	.50"	250	1000	3.0"	28	.08
FBN-06	.38"	.63"	250	1000	3.0"	28	.12
FBN-08	.50"	.75"	250	1000	5.0"	28	.14
FBN-10	.62"	.91"	250	1000	6.0"	18	.19
FBN-12	.75"	1.04"	250	1000	7.0"	18	.25



1525 (647) Textile Cover

Construction: Synthetic rubber tube, textile braid reinforcement, oil and mildew resistant textile braid cover.

Application: For gasoline, fuel and lubrication oils, air and water. Not recommended for hydraulic impulse or air brake applications.

Operating Temperature Range: -40 f to +212 f (-40 c to 100 c).

[Link to suitable hose end fittings](#)

Part Number	Hose I.D. (inch)	Hose O.D. (inch)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inch)	Vacuum Service (in/Hg)	Weight Per Foot (lbs.)
1525-4	.25"	.50"	350	1400	3.0"	28	.06
1525-6	.38"	.63"	300	1200	3.0"	28	.10
1525-8	.50"	.75"	300	1200	5.0"	28	.13
1525-10	.62"	.91"	250	1000	6.0"	18	.18
1525-12	.75"	1.03"	250	1000	7.0"	18	.20



2556 Extra Duty

Construction: Synthetic rubber tube, textile braid reinforcement, synthetic rubber cover.

Application: For gasoline, fuel and lubrication oils, air and water. Not recommended for hydraulic impulse or air brake applications.

Operating Temperature Range: -40 f to +212 f (-40 c to 100 c).

[Link to suitable hose end fittings](#)

Part Number	Hose I.D. (inch)	Hose O.D. (inch)	Max. Oper. Pressure (psi)	Min. Burst Pressure (psi)	Min. Bend Radius (inch)	Vacuum Service (in/Hg)	Weight Per Foot (lbs.)
2556-4	.25"	.50"	350	1400	3.0"	28	.08
2556-6	.38"	.62"	300	1200	4.0"	28	.09
2556-8	.50"	.75"	300	1200	5.0"	28	.17
2556-10	.62"	.91"	250	1000	6.0"	18	.25
2556-12	.75"	1.03"	250	1000	7.0"	18	.22

Textile/Rubber Hose Information

Textile hose incorporates a synthetic rubber inner, one layer of textile braid reinforcement, and synthetic outer layer. We supply textile hose in two main types. Our Mocal "Moquip" brand, SAE 100 R6, is suited to most oil plumbing applications with a suggested temperature rating of 250f degrees and a working pressure of 300 psi. Hose (R6) is designed for use with factory swaged fittings, worm drive or Oetkier clamps. The other popular hose type is Aeroquip "socketless", push-on, "pushfit", "push-lok" and other clones. Fittings are simply pushed into the hose, with the hose reinforcing braid woven in such a way that the grip, on the "fir tree" barb, increases as the force trying to push it out goes up- think Chinese finger trap. Socketless type hose and fittings have been continually gaining popularity over the last few years, especially with the introduction of high quality aluminum hose ends in a variety of angles, and although temperature rated 300f, rare instances of "fitting blow out" under extreme temperatures have been reported. Extra clamping should be considered where very high temperatures are involved. Hose and fittings are made to similar specifications, and usually interchangeable between brands. Hose is generally available in either black or light blue exterior covering.

Internet Hose Pricing Specials

Below we have listed pricing on the popular hose types, and sizes, we normally stock. Pricing benefits purchasing in longer bulk lengths.



Aeroquip FC332 (black cover)

Hose Size I.D.	Part #	Price \$ 1-14 feet	Price \$ 15-29 feet	Price \$ 30 > feet
-4 (.23")	FBN-04	\$5.70	\$5.50	\$5.30
-6 (.34")	FBN-06	\$5.50	\$5.30	\$5.10
-8 (.44")	FBN-08	\$6.20	\$6.00	\$5.80
-10 (.56")	FBN-10	\$7.10	\$6.90	\$6.70
-12 (.69")	FBN-12	\$8.90	\$8.70	\$8.50



Aeroquip FC332 (blue cover)

Hose Size I.D.	Part #	Price \$ 1-14 feet	Price \$ 15-29 feet	Price \$ 30 > feet
-4 (.23")	FBV-04	\$6.25	\$6.05	\$5.85
-6 (.34")	FBV-06	\$6.75	\$6.55	\$6.35
-8 (.44")	FBV-08	\$7.10	\$6.90	\$6.70
-10 (.56")	FBV-10	\$8.10	\$7.90	\$7.70
-12 (.69")	FBV-12	\$10.15	\$9.95	\$9.75

NOTE: FC332 type FBN (black) & FBV (blue) hose are identical other than exterior color.

Aeroquip 1525 (black cover)

Hose Size I.D.	Part #	Price \$ 1-14 feet	Price \$ 15-29 feet	Price \$ 30 > feet
-4 (.23")	H1525-04	\$5.75	\$5.55	\$5.35
-6 (.34")	H1525-06	\$6.40	\$6.20	\$6.00
-8 (.44")	H1525-08	\$6.65	\$6.35	\$6.15
-10 (.56")	H1525-10	\$7.95	\$7.75	\$7.55
-12 (.69")	H1525-12	\$8.35	\$8.15	\$7.95

AQP 1525 (now 647) is popular with vehicle restorers as it's black, abrasion resistant, textile braid cover is oil and mildew resistant and has a vintage look similar to hose of the classic era.

Mocal SAE 100 R6 Hose



Hose Size I.D.	Part #	Price \$ 1-14 feet	Price \$ 15-29 feet	Price \$ 30 > feet
1/2"	ATRH1	\$4.15	\$3.95	\$3.75
5/8"	ATRH2	\$5.50	\$5.30	\$5.10
3/4"	ATRH3	\$6.45	\$6.25	\$6.05

Many classic and vintage European produced cars utilize R6 type rubber hose which is compatible with most push-fit hose fittings, however some type of clamp or swage ferrule is recommended.



We assemble custom hoses.
Call for quote.



Fuel Specific Hose - not "socketless" requires clamp



Submersible Fuel Hose 5/16"

Ordinary fuel hose is designed to handle fuel on the inside only. Cohline brand 2190.0615 rubber submersible in tank fuel is engineered for contact with gasoline (and other liquid petroleum distillates) both on inside and outside. Excellent for use with in-tank fuel pumps and fuel pick-ups.

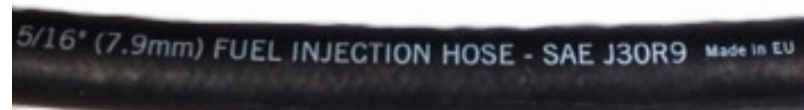
Specifications:

7.9mm (5/16") I.D. 14.3mm (9/16") O.D. Maximum working pressure of 6 Bar (87 psi) with 20 Bar (290 psi) burst pressure. 55mm smallest bend radius. Meets VW TL 522 56 standard. Can withstand petrol, E85 rated flexible fuels, diesel and biodiesel fuels, and a temperature range of -40°C to +70°C (-40°F - 158°F). Made in Germany. For use with barbed hose fittings - clamp required.

Submersible Fuel Hose 5/16"

ITFH5

\$9.75 foot



Fuel Injection Hose SAE 30R9

Designed specifically for automotive/truck fuel injection systems: gasoline, ethanol extended gasoline (E85), diesel fuel, biodiesel, lube oil.

Specifications:

Maximum working pressure of 7 Bar (100 psi) with 62 Bar (900 psi) burst pressure. Vacuum rating 24 HG(in). Bend radius 24mm (.94"). Meets SAE J30R9. Maximum fuel permeation of 15 gm/n at 40°C. Can withstand gasoline, E85 rated flexible fuels, diesel and biodiesel fuels. Temperature range of -34°C to +135°C (-29°F - 275°F). Made in EU. For use with barbed hose fittings - clamp required. Not for internal tank use. 1/4" size available on request

Fuel Injection 30R9 Hose 1/4"

FIH-4

\$4.90 foot

6.3mm (1/4") I.D. 12.7mm (1/2") O.D.

Fuel Injection 30R9 Hose 5/16"

FIH-5

\$5.05 foot

7.9mm (5/16") I.D. 14.3mm (9/16") O.D.

Fuel Injection 30R9 Hose 3/8"

FIH-6

\$5.90 foot

9.5mm (3/8") I.D. 16mm (5/8") O.D.

Fuel Injection 30R9 Hose 1/2"

FIH-8

\$6.95 foot

12.7mm (1/2") I.D. 20mm (13/16") O.D.

Hose Accessories & Tools

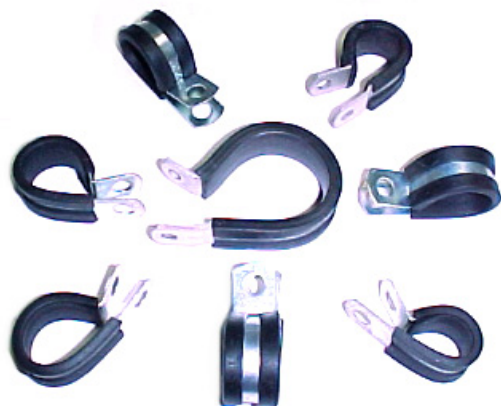
The right accessory, or tool, will always simplify a job; we stock a variety of products to aid assembly and make for a "clean" installation.



Aluminum Hose Finishing (Pro) Clamps

-AN size	I.D.	part #	price \$
-6AN	5/8"	PRO6	\$3.95
-8AN	11/16"	PRO8	\$4.25
-10AN	7/8"	PRO10	\$4.50
-12AN	1"	PRO12	\$5.00

Hose end finishing clamps (Pro Clamps) add cosmetic appeal and keep braided hose from fraying when used with push-on hose connections. Aluminum housing retains a stainless worm-drive clamp. Supplied in BLACK or RED.



Aluminum Cushion (Adel) Clamps

-AN size	I.D.	part #	price \$
-4AN	3/8"	AC375	\$0.60
-6AN	9/16"	AC625	\$0.65
-8AN	11/16"	AC687	\$0.75
-10AN	3/4"	AC750	\$0.80
-12AN	1"	AC1000	\$0.80
-16AN	1 1/4"	AC1250	\$1.10
-20AN	1 7/16"	AC1400	\$1.35

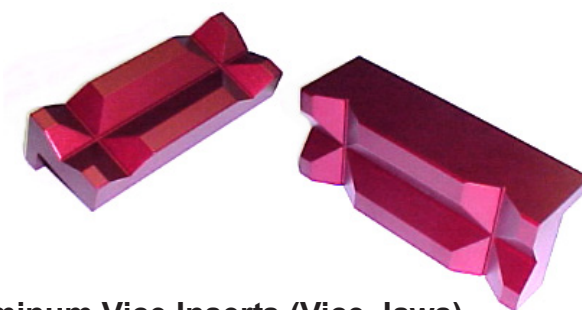
Aviation quality aluminum cushion (Adel) clamps help keep everything tidy and in place. Perfect for mounting hose or tubing where you need it and not in harms way.



Aluminum Hose Wrench Set

Sizes	part #	price \$
Set of 6	HWSE	\$47.50

Here's an economical 6 piece (-3, -6, -8, -10, -12, -16AN) hose wrench set made from 6061 aluminum alloy. Wrenches are designed to tighten the female attaching "B-nut" connection without damaging the finish. Usually supplied in RED.



Aluminum Vice Inserts (Vice Jaws)

Sizes	part #	price \$
Pair (2)	AVJ1R	\$19.90

Special vice inserts featuring extra strong megnets, protect expensive hose ends during assembly. Here is another case of, "having the right tool makes all the difference." Usually supplied in RED OR BLACK. Now with stronger magnets!



Adjustable Aluminum Hose Wrench

Sizes	part #	price \$
-3 to -16	HW-AJ	\$39.50

Since it's adjustable, this wrench fits both attachment and assembly nuts on all brands and sizes between -3AN and -12AN sizes. Usually supplied in RED.

Accessories & Tools (continued)**Hose Joiner Barb to Barb (Brass)**

Barb	Barb	part #
1/4"	1/4"	HM4-4
3/8"	3/8"	HM6-6
5/16"	3/8"	HM5-6
5/16"	1/2"	HM5-8
1/2"	1/2"	HM8-8
5/8"	5/8"	HM10-10
3/4"	3/4"	HM12-12

Used to mend or join two pieces of hose together with clamp.

**Assembly Wrench Set**

Description	part #	price \$
Assy Wrench Set	HWSA	\$69.75

The perfect -3 ot -20 size -AN wrench set with both "B" nut and socket nut sizes to fit most popular brand fittings for easy hose end assembly. Flip to the "B" nut side to connect to -AN male. Wrenches are precision cut, anodized (red) aluminum.



We assemble custom hoses.
Call for quote.

**Aluminum Hose Wrenches**

Description	part #	price \$
-3AN Wrench	HW-3	\$9.25
-4AN Wrench	HW-4	\$10.00
-6AN Wrench	HW-6	\$11.75
-8AN Wrench	HW-8	\$12.50
-10AN Wrench	HW-10	\$13.75
-12AN Wrench	HW-12	\$14.50
-16AN Wrench	HW-16	\$19.15
-20AN Wrench	HW-20	\$21.80
Wrench Set (6 pc) (-3AN to -12AN sizes)	HWST-6	\$62.50

Traditional round hole style -AN wrenches are available as singles, or in a set. Wrenches are designed to tighten the female attaching "B-nut" connection without damaging the finish. Corresponding size is machined at head. Color varies depending on size.

**Hose/Cable Cutters**

Description	part #	price \$
Cutter Small	HCC1	\$38.90
Cutter All Size	HCC2	\$60.95

This is the type tool we use around the shop to make hose cutting fast, precise and easy. Available in two sizes: small (14") for up to 10AN and large (24") will cut all sizes up to -20AN.

Accessories & Tools (continued)



Oetiker Clamps (Single Ear)

Description	part #	price \$
9.8 - 12.3mm (.38" - .48")	OET12.3	.70c
12.8 - 15.3mm (.50 - .60")	OET15	.75c
(for 1/4" hose)		
14.5 - 17.0 (.57 - .66")	OET17	.75c
(for 5/16" hose)		
14.8 - 18mm (.58 - .70")	OET18	.75c
(for 3/8" hose)		
19.4 - 22.6mm (.76 - .89")	OET22	.75c
(for 1/2" hose)		
22.4 - 25.6mm (.88 - 1.0")	OET25.6	.85c
(for 5/8" hose)		
25.4 - 28.6mm (1.0 - 1.125")	OET28.6	.85c
(for 3/4" hose)		
26.9 - 30.1mm (1.05 - 1.185")	OET30.1	.85c
28.4 - 31.6mm (1.11 - 1.24")	OET31.6	.85c
29.9 - 33.1mm (1.17 - 1.30")	OET33.1	.85c
32.9 - 36.1mm (1.29 - 1.41")	OET36.1	\$1.20
36.4 - 39.6mm (1.43 - 1.55")	OET36.1	\$1.20
39.3 - 42.5mm (1.54 - 1.67")	OET42.5	\$1.20
40.8 - 44mm (1.60 - 1.73")	OET44	\$1.25
46.8 - 50.0mm (1.84 - 1.96")	OET50	\$1.30

Oetiker Clamps (2 Ear)

Description	part #	price \$
1/4" Hose (.51 - .59")	HC4-2	.65c
3/8" Hose (.59 - .71")	HC4-3	.65c
1/2" Hose (.75 - .87")	HC4-5	.85c
5/8" Hose (.87 - .98")	HC4-6	.90c
3/4" Hose (1.10 - 1.22")	HC4-8	\$1.15

Oetiker 2-Ear Clamps add an additional degree of security and to any push-on barbed fitting connection. Far superior to worm-drive clamps, Oetiker clamps "ears" maintain the seal through changes in pressure, temperature and time - plus they are tamper-proof and never need to be retightened. Oetiker clamps are designed for use with light or heavy barb fittings. Special pliers (listed above) are used to crimp "ears". Clamps are available for 1/4", 3/8", 1/2", 5/8" and 3/4" hose (range of size in parentheses) Zinc plated mild steel - sold each.



Oetiker Clamp Tools

Plier Set (Knipex)	HCP-1	\$32.45
Plier Set (Oetiker)	HCP-1X	\$24.45

These high quality front jaw ear clamp pliers make installing Oetiker clamps easy.

Similar in concept and function to the 2-ear type, Oetiker single ear clamps "interlock" can be separated so clamp can be fitted around existing hoses (radial installation) prior to closure. Tongue and groove design assures hose is not damaged as clamp is tightened. Stainless steel construction w/ 7mm band. clamps are available for 1/4", 3/8", 1/2", 5/8" and 3/4" hose (range of size in parentheses).

Accessories & Tools (continued)

Silicone self-bonding, fire & water resistant tape for sealing end cuts.

FireFlex silicone jacketed fiberglass sleeving is the choice of professionals in motor racing and other industries where protection from constant temperatures approaching 500°F is mandatory. In aviation, almost every engine - turbine, turboprop or piston; civilian and military - uses FireFlex to protect critical hoses and wiring in the event of an engine compartment fire.

FireFlex fiberglass/silicone sleeving is engineered to protect plumbing (hoses), cables and wire harnesses from damage due to exposure to extreme heat, open flame, molten splash and welding sparks. The thick, high temperature fiberglass sleeve is jacketed with a non-permeable, heavy silicone coating that is flexible enough to follow tight radius curves, resists all automotive chemicals and solvents, and provides a substantial level of abrasion and puncture protection.

FireFlex is completely non-conductive, will not melt, delaminate, become brittle or support combustion under normal conditions, and provides a professional level solution to thermal protection needs in any application.

FireFlex Heat Sleeve (black)

Size	part #	price \$
-3T (1/4" ID)	FF-3T	\$3.15
-4T (3/8" ID)	FF-4T	\$3.55
-4 (1/2" ID)	FF-4	\$3.95
-6 (5/8" ID)	FF-6	\$4.45
-8 (3/4" ID)	FF-8	\$5.90
-10 (7/82" ID)	FF-10	\$6.55
-12 (1" ID)	FF-12	\$7.20
-16 (1 1/4" ID)	FF-16	\$7.85
-20 (1 1/2" ID)	FF-20	\$8.80

Additional price discounts apply for quantities over 30, 50 and 100 feet (each size). Diameters of up to 4" i.d. are available as special order (inquire with size requirement for price).

Silicone Bonding Tape (black)

Description	part #	price \$
36 foot roll	FFT-R	\$25.75
1 foot length	FFT-1	\$1.00

FIREFLEX SPECIFICATIONS:

Operating Temperatures: Minimum Continuous -65°F/-54°C, Maximum Continuous 500°F/260°C **Melt Temperature:** 2,048°F/1,120°C **Flammability Rating:** Non Flammable **Recommended Cutting:** Scissor or Knife **Wall Thickness:** .072", **Abrasion Resistance:** Extermely High

Chemical Resistance: (1) No Effect, (2) Little Effect
Aromatic Solvents (1), Alipahtic Solvents (1), Chlorinated Solvents (1), Weak Bases (1), Strong Bases (1), Salt Water (1), Hydraulic Fluid (1), Lubricating Oil (1), De-Icing Fluid (1), Strong Acids (2), Strong Oxidants (2), Esters/Keytones (1), UV Light (1), Petroleum (1), Fungus (1), Salts (1).

Fire Foil High Temperature Heat Sleeve

Size	part #	price \$
-3,-4 (3/8" ID)	320503	\$5.60
-6 (5/8" ID)	320506	\$6.95
-8 (3/4" ID)	320508	\$7.45
-10 (7/82" ID)	320510	\$8.20
-12 (1" ID)	320512	\$8.85
-16 (1 1/4" ID)	320516	\$9.90
-20 (1 1/2" ID)	320520	\$10.85

Fire Foil is a very lightweight fiberglass sleeve laminated to a mylarized aluminum surface that provides radiant heat protection to 800 degrees Fahrenheit. The mylar surface also resists abrasion and engine/brake fluids. Product is sold by the foot in size that corresponds with O.D. of -AN hose. Fire Foil is not expandable and should be slipped over hose prior to assembly. Alternatively the seem can be cut and sleeve can be used as a wrap being secured by tape or ties.



Fire Foil Heat Sleeve

Push-on "Socketless" Hose End Assembly



Socketless type hose has no exterior or interior metal braid and cuts easily. Cut hose squarely to length using a fine tooth hacksaw, cable shears, pvc cutter, box knife, or cut-off wheel.



Allowing hose to warm-up will aid assembly; leave in sunlight for a time, or warm some water in the microwave and place the end of hose in to soften.



Secure a union in a bench vise and attach hose end securely. How union is mounted in vise will vary depending on hose angle being fitted.



We assemble custom hoses.
Call for quote.



Lubricate both the fitting tail and hose interior where they will come together. Motor oil or liquid soap works well.



Push and twist the hose over fitting tail until it is tight behind the hose finisher. It helps to do this in one continuous motion.



Finished end should resemble this. Hoses with angles at each end can be "clocked" prior to installation. Grip hose and fitting firmly, rotate to proper direction. Hose assembly should be checked for leakage under normal operation conditions.