

Not The Typical Red & Blue

BAT is pleased to announce our own line of high quality, push-lock, -AN hose ends for "Socketless" type hose. Their distinctive titanium and black anodized finish offer a fresh new look over ordinary red and blue and look great on everything from vintage race cars, and hot rods, to modern hi-tech applications. Fittings are currently available in sizes -6, -8, -10, -12AN and angles straight, 30, 45, 60, 90, 120, 150, 180 degree. Compare and save. We offer a full feature hose end, for similar (or less) than competitors basic fittings, and in a unique color combination at no additional charge.



Straight Hose End



-AN size	part #	price \$
-4AN	PS-4	\$3.70
-6AN	PS-6	\$3.90
-8AN	PS-8	\$4.30
-10AN	PS-10	\$5.45
-12AN	PS-12	\$8.35

120 Degree Hose End



-AN size	part #	price \$
-4AN	P120-4	\$13.95
-6AN	P120-6	\$14.75
-8AN	P120-8	\$16.25
-10AN	P120-10	\$18.95
-12AN	P120-12	\$21.00

45 Degree Hose End



-AN size	part #	price \$
-4AN	P45-4	\$11.95
-6AN	P45-6	\$12.30
-8AN	P45-8	\$14.95
-10AN	P45-10	\$16.80
-12AN	P45-12	\$19.35

150 Degree Hose End



-AN size	part #	price \$
-4AN	P150-4	\$13.95
-6AN	P150-6	\$14.75
-8AN	P150-8	\$16.25
-10AN	P150-10	\$18.95
-12AN	P150-12	\$21.00

90 Degree Hose End



-AN size	part #	price \$
-4AN	P90-4	\$11.95
-6AN	P90-6	\$12.30
-8AN	P90-8	\$14.95
-10AN	P90-10	\$16.80
-12AN	P90-12	\$19.35

180 Degree Hose End



-AN size	part #	price \$
-4AN	P180-4	\$13.95
-6AN	P180-6	\$14.75
-8AN	P180-8	\$16.25
-10AN	P180-10	\$18.95
-12AN	P180-12	\$21.00

quantity and trade pricing available

[Link to Socketless Hose](#)

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30 Degree Hose End



-AN size	part #	price \$
-4AN	P30-4	TBA
-6AN	P30-6	\$14.40
-8AN	P30-8	\$16.50
-10AN	P30-10	\$19.30
-12AN	P30-12	\$21.15



60 Degree Hose End



-AN size	part #	price \$
-4AN	P60-4	TBA
-6AN	P60-6	\$14.40
-8AN	P60-8	\$16.50
-10AN	P60-10	\$19.30
-12AN	P60-12	\$21.15



quantity and trade pricing available

[Link to Socketless Hose](#)



We assemble custom hoses.
Call for quote.



Push-on Hose Ends

Referred to as "socketless", "push-on", "pushfit", "push-lok" these fittings are to be used with FC332, 2556, 1525, and a few other less popular types of textile hose. This type of hose and fitting system has been continually gaining popularity over the last few years, especially with the introduction of high quality aluminum hose ends in a variety of angles. Fittings are simply pushed into the hose with the hose reinforcing braid woven in such a way that its grip on the "barb" end increases as the force trying to push it out goes up- think Chinese finger trap. Although some examples of this type of hose have up to a 300f degree rating, rare instances of the fitting blowing out of the hose at extreme temperatures have been reported. Extra clamping (swagged ferrule, worm drive or Oetkier clamp) should be considered where very high temperatures are involved. Hose and fittings are made to similar specifications and generally interchangeable between brands. We stock a wide range of push-on fittings in aluminum, brass, and steel. Fittings are available in all popular -AN/JIC, BSP, as well as some Metric sizes. [Link to Socketless Hose](#)



Straight Hose End



-AN size	part #	price \$
-4AN	230004	\$3.95
-6AN	230006	\$4.10
-8AN	230008	\$4.50
-10AN	230010	\$5.75
-12AN	230012	\$8.80

60 Degree Hose End



-AN size	part #	price \$
-4AN	236004	\$16.30
-6AN	236006	\$17.90
-8AN	236008	\$22.15
-10AN	236010	\$23.95
-12AN	236012	\$27.95

30 Degree Hose End



-AN size	part #	price \$
-4AN	233004	\$16.30
-6AN	233006	\$17.90
-8AN	233008	\$22.15
-10AN	233010	\$23.95
-12AN	233012	\$27.95

90 Degree Hose End



-AN size	part #	price \$
-4AN	239004	\$13.15
-6AN	239006	\$13.55
-8AN	239008	\$16.45
-10AN	239010	\$18.50
-12AN	239012	\$21.30

45 Degree Hose End



-AN size	part #	price \$
-4AN	234504	\$13.15
-6AN	234506	\$13.55
-8AN	234508	\$16.45
-10AN	234510	\$18.50
-12AN	234512	\$21.30

120 Degree Hose End



-AN size	part #	price \$
-4AN	231204	\$15.35
-6AN	231206	\$16.25
-8AN	231208	\$17.95
-10AN	231210	\$20.85
-12AN	231212	\$23.10

(Continued)

150 Degree Hose End



-AN size	part #	price \$
-4AN	231504	\$15.35
-6AN	231506	\$16.25
-8AN	231508	\$17.95
-10AN	231510	\$20.85
-12AN	231512	\$23.10

180 Degree Hose End



-AN size	part #	price \$
-4AN	231804	\$15.35
-6AN	231806	\$16.25
-8AN	231808	\$17.95
-10AN	231810	\$20.85
-12AN	231812	\$23.10

[Link to Socketless Hose](#)

-AN Hose Ends (steel)

Straight Hose End Steel (for swage-on*)



-AN	Tail	part #
-6AN	5/16"	060005
-8AN	1/2"	080008
-10AN	1/2"	100008
-10AN	5/8"	100010

*non socketless barb, requires clamp or swage-on

45 Degree Hose End Steel (for swage-on*)



-AN	Tail	part #
-8AN	1/2"	084508
-10AN	1/2"	104508
-10AN	5/8"	104510

*non socketless barb, requires clamp or swage-on

90 Degree Hose End Steel (for swage-on*)



-AN	Tail	part #
-6AN	5/16"	069005
-8AN	1/2"	089008
-10AN	1/2"	109008
-10AN	5/8"	109010

*non socketless barb, requires clamp or swage-on



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quantity and trade pricing available

Barb to Male Thread

Socketless Barb to NPT Male



Barb	NPT size	part #
1/4"	1/4 NPT	20438
3/8"	1/4 NPT	20638
1/2"	3/8 NPT	20838
5/8"	1/2 NPT	21038
3/4"	3/4 NPT	21238

also available in black ■

Barb* to NPT Male Straight



Barb	NPT size	part #
1/4"	1/8 NPT	840-4
3/8"	1/4 NPT	840-6
1/2"	3/8 NPT	840-8
5/8"	1/2 NPT	840-10
3/4"	3/4 NPT	840-12

*requires clamp - color varies black or blue

Socketless Barb to -AN Male



Barb	-AN size	part #
1/4"	-4AN	20404
5/16"	-6AN	20605
3/8"	-6AN	20606
1/2"	-8AN	20808
5/8"	-10AN	21008
3/4"	-12AN	21208

also available in black ■

Barb* to NPT Male 45 Degree



Barb	NPT size	part #
1/4"	1/8 NPT	844-4
3/8"	1/4 NPT	844-6
1/2"	3/8 NPT	844-8
5/8"	1/2 NPT	844-10
3/4"	3/4 NPT	844-12

*requires clamp - color varies black or blue

Socketless Barb to -AN Male Tee



Barb	-AN size	part #
3/8"	-6AN	20624
1/2"	-8AN	20824

also available in black ■

quantity and trade pricing available

Barb* to NPT Male 90 degree



Barb	NPT size	part #
1/4"	1/8 NPT	842-4
3/8"	1/4 NPT	842-6
1/2"	3/8 NPT	842-8
5/8"	1/2 NPT	842-10
3/4"	3/4 NPT	842-12

*requires clamp - color varies black or blue

Metric Male to Barb*



Barb	Metric Size	part #
5/16"	M12 x 1.5	840M12-5/16
3/8"	M12 x 1.5	840M12-3/8
1/2"	M18 x 1.5	840M18-1/2
3/4"	M18 x 1.5	840M18-3/4

Use to convert Bocsh fuel pumps and filters to push-hose. Washer included *Barb requires clamp.

Speciality Push-on Hose Ends - BSP & Metric

Back to HOME



BSP Socketless Hose Ends (steel)

BSP size	Angle	Hose i.d.	part #
1/2"	Straight	1/2"	BH800-P
5/8"	Straight	5/8"	BH1000-P
1/2"	45 Degree	1/2"	BH845-P
5/8"	45 Degree	5/8"	BH1045-P
1/2"	90 Degree	1/2"	BH890-P
5/8"	90 Degree	5/8"	BH1090-P

Special 1/2" or 5/8" BSP (British standard pipe) female hose ends. Use with standard Socketless type hose - clamp not required.

Metric Straight Hose Ends (plated steel)



Metric Hose i.d. part

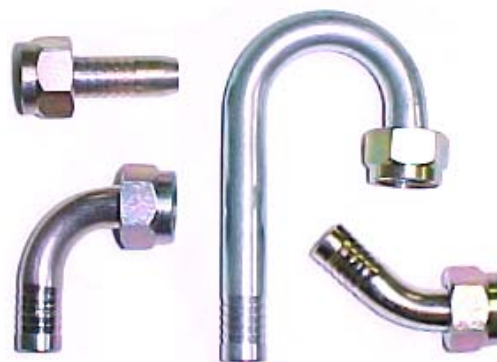
Metric	Hose i.d.	part #
M12x1.5	1/4"	MS1204
M14x1.5	1/4"	MS1404
M16x1.5	3/8"	MS1606
M18x1.5	3/8"	MS1806
M22x1.5	1/2"	MS2208
M26x1.5	5/8"	MS2610
M30x1.5	3/4"	MS3012

Metric 45 Degree Hose Ends (plated steel)



Metric Hose i.d. part

Metric	Hose i.d.	part #
M12x1.5	1/4"	M451204
M16x1.5	3/8"	M451606
M18x1.5	3/8"	M451806
M22x1.5	1/2"	M452208
M26x1.5	5/8"	M452610
M30x1.5	3/4"	M453012



BSP Hose Ends (plated steel)

BSP size	Angle	Hose i.d.	part #
3/8"	Straight	3/8"	ABS6ST
1/2"	Straight	1/2"	ABS8ST
5/8"	Straight	5/8"	BS10ST
3/8"	45 Degree	3/8"	ABS645
1/2"	45 Degree	1/2"	ABS845
5/8"	45 Degree	5/8"	BS1045
3/8"	90 Degree	3/8"	ABS690
1/2"	90 Degree	1/2"	ABS890
5/8"	90 Degree	5/8"	BS1090
1/2"	180 Degree	1/2"	ABS180

3/8", 1/2," & 5/8" BSP (British standard pipe) female hose ends. Light (non-socketless) barb requires clamp or swage ferrule.

[Link to Socketless Hose](#)

Metric 90 Degree Hose Ends (plated steel)



Metric Hose i.d. part

Metric	Hose i.d.	part #
M12x1.5	1/4"	M901204
M14x1.5	1/4"	M901404
M16x1.5	3/8"	M901606
M18x1.5	3/8"	M901806
M22x1.5	1/2"	M902208
M26x1.5	5/8"	M902610
M30x1.5	3/4"	M903012

Metric female hose ends. Use with standard Socketless type hose - clamp not required.



We assemble custom hoses.
Call for quote.



Accessories & Tools

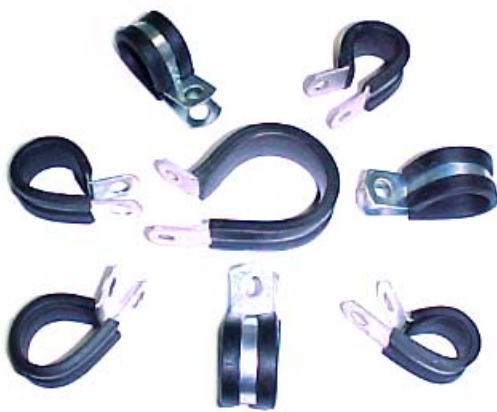
The right accessory, or tool, will always simplify a job; we stock a variety of products to aid assembly and make for a "clean" installation.



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	\$0.85
-6AN	9/16"	AC625	\$0.70
-8AN	11/16"	AC687	\$0.70
-10AN	3/4"	AC750	\$0.85
-12AN	1"	AC1000	\$0.95
-16AN	1 1/4"	AC1250	\$1.25

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 a 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	\$15.75

Specially designed magnetic vice inserts (2), protect your expensive hose ends during assembly. Here is another case of, "having the right tool makes all the difference." Usually supplied in RED.



Adjustable Aluminum Hose Wrench

Sizes	part #	price \$
-3 to -16	HW-AJ	\$44.50

Since it's adjustable, this wrench fits both attachment and assembly nuts on all brands and sizes between -3AN and -16AN sizes. This is the ultimate hose end tool!

Accessories & Tools (continued)



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
Plier Set (German)	HCP-1	\$32.45
Plier Set (no-brand)	HCP-1X	\$19.00

Oetiker Clamps (Single Ear)

Description	part #	price \$
1/4" Hose (.50 - .60")	OET15	.70c
3/8" Hose (.58 - .70")	OET18	.70c
1/2" Hose (.71 - .83")	OET22	.75c
5/8" Hose (.88 - 1.0")	OET25.6	.75c
3/4" Hose (1.0 -1.125")	OET28.6	.80c
Plier Set (German)	HCP-1	\$32.45
Plier Set (no-brand)	HCP-1X	\$19.00

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.

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).



Power Grip Hose Clamps

Size	part #	price \$
1/2" - 11.16"	SB15	\$3.05
11/16" - 13/16"	SB19	\$3.25
13/16" - 15/16"	SB22	\$3.25
15/16" - 1 1/16"	SB25	\$3.35
1 1/16" - 1 3/16"	SB29	\$3.50

Power Grip clamps are made from heat shrinkable thermoplastic that provides a dynamic seal and never requires retightening. Use in most clamp situations providing

a secure tamper proof connection. We have been using these successfully in a number of nonstandard applications with barbed fittings in different types on hose. They are especially good for keeping stainless overbraid in place - possibly better than a Pro-clamp. Order to hose O.D. - clamps shrink when activated with a heat gun. Other sizes available upon request.

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 Coverd

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. Make sure to tell your sales associate you want our **"internet bulk hose"** pricing.

Aeroquip FC332 (black cover)

Hose Size I.D.	Part #	Price \$ 1-14 feet	Price \$ 15-29 feet	Price \$ 30 > feet
-4 (.23")	FBN-04	\$3.70	\$3.45	\$3.20
-6 (.34")	FBN-06	\$3.65	\$3.40	\$3.10
-8 (.44")	FBN-08	\$4.05	\$3.80	\$3.50
-10 (.56")	FBN-10	\$5.40	\$5.00	\$4.65
-12 (.69")	FBN-12	\$6.45	\$6.00	\$5.60

Aeroquip FC332 (blue cover)

Hose Size I.D.	Part #	Price \$ 1-14 feet	Price \$ 15-29 feet	Price \$ 30 > feet
-4 (.23")	FBV-04	\$3.70	\$3.45	\$3.20
-6 (.34")	FBV-06	\$3.65	\$3.40	\$3.10
-8 (.44")	FBV-08	\$4.05	\$3.80	\$3.50
-10 (.56")	FBV-10	\$5.40	\$5.00	\$4.65
-12 (.69")	FBV-12	\$6.45	\$6.00	\$5.60

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	\$4.75	\$4.50	\$4.25
-6 (.34")	H1525-06	\$5.40	\$5.15	\$4.90
-8 (.44")	H1525-08	\$5.65	\$5.35	\$5.05
-10 (.56")	H1525-10	\$5.95	\$5.65	\$5.35
-12 (.69")	H1525-12	\$6.35	\$6.05	\$5.75

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	\$3.65	\$3.25	\$2.95
5/8"	ATRH2	\$5.50	\$4.95	\$4.45
3/4"	ATRH3	\$6.45	\$5.80	\$5.20

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.



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.

[Link to Socketless Hose](#)



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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.