

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

Aluminum Hose Wrench Set

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

Here's an economical 6 piece (-4, -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.



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.



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)



Universal Oil Cooler Mounting

Description	part #	price \$
Universal Mounting Kit	ABKT	\$7.50

H.D. Oil Cooler Mounting

Description	part #	price \$
Cooler Mount (115m)	ABKT-115	\$16.20
Cooler Mount (235m)	ABKT-235	\$19.80

Universal oil cooler mounting kits include; a pair of pre-drilled bracket strips and hardware. Brackets can be cut and bent into shape to facilitate mounting radiator oil coolers.

These versatile formed aluminum brackets provide the most secure method for mounting radiator type oil coolers. Brackets incorporate rubber damping pads to reduce vibration and are available in 115mm and 235mm cores versions. Shorter height coolers (less than 16 row) can use single bracket off one end, larger cores should be supported from both ends. Sold (1) for each cooler end; includes one bracket with hardware.



Hose End Assembly Tools

Description	part #	price \$
Koul Tool -4, -6, -8	AHT1	\$74.00
Koul Tool -6, -8, -10	AHT3	\$79.50
Koul Tool -10, -12, -16	AHT2	\$89.00

Since the invention of stainless braided rubber hose, racers and mechanics have been fighting the problem of installing it into the socket part of the hose assembly. The Koul Tool "capsule" pilots hose directly into the socket - making assembly a snap. Just insert the socket into the tool, twist the hose in, and in seconds you have it assembled. Components are made of a high tech composite which is virtually indestructible - no need to worry about vise marks or wearing out. Kits are available in 3 sizes: small fittings -4, -6, -8 capsules, medium fittings -6, -8, -10 capsules, large fittings -10, -12, -16 capsules. Spacers and adaptors are provided for compatibility with most hose end brands.



Assembly Wrench Set

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

The perfect do-all -AN wrench set with both "B" nut and socket nut sizes and fit most major brand socket nuts for easy hose end assembly. Flip to the "B" nut side to connect to -AN male. Wrenches are finest quality, precision cut, anodized (red) aluminum.

MOCAL USA

MOCAL USA

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 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.

Power Grip Hose Clamps

Size	part #	price \$
1/2" - 1 1/16"	SB15	\$3.05
1 1/16" - 1 3/16"	SB19	\$3.25
1 3/16" - 1 5/16"	SB22	\$3.25
1 5/16" - 1 7/16"	SB25	\$3.35
1 7/16" - 1 9/16"	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



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

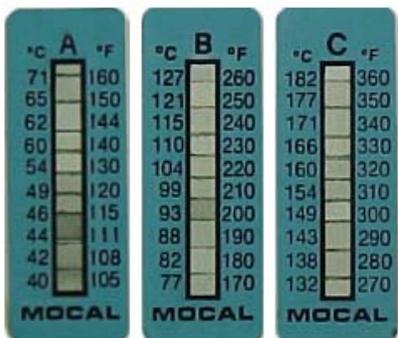
Similar in concept and function to the 2-ear type, Oetiker single ear clamps "interlock" can be separated so clamp can be fitted around existing hoses (radial installation) prior to closure. Tongue and groove design assures hose is not damaged as clamp is tightened. Stainless steel construction w/ 7mm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



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 overbraided 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.

BAT inc. 7630 Matoaka Road. Sarasota, FL 34243 ♦ phone (941) 355-0005 ♦ fax (941) 355-4683

Accessories & Tools (continued)



Temperature Strips

Description	part #	price \$
Temp. Strip 105-160f	TS2	\$4.05
Temp. Strip 170-260f	TS1	\$3.50
Temp. Strip 270-360f	TS3	\$4.05

Aluminum Hose Wrenches

Description	part #	price \$
-4AN Wrench*/**	HW-4	\$11.25
-6AN Wrench*/**	HW-6	\$11.85
-8AN Wrench*/**	HW-8	\$13.40
-10AN Wrench*/**	HW-10	\$14.25
-12AN Wrench*/**	HW-12	\$15.25
-16AN Wrench**	HW-16	\$19.15
-20AN Wrench	HW-20	\$21.80
5 Wrench Set*	HWST-5	\$61.25
6 Wrench Set**	HWST-6	\$79.90

Self adhesive temperature indicator strips permanently indicate maximum reading within a temperature range; available in three heat ranges to cover all fluid measurement requirements. Size 3/4" x 2"

Traditional round hole style -AN wrenches are available as singles, or in sets. 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.



Unicoil Hose Bender

Size	part #	price \$
-6 Hose 3/8"	AUC-375	\$7.95
-8 Hose 1/2"	AUC-500	\$7.50
-10 Hose 5/8"	AUC-625	\$7.95
-12 Hose 3/4"	AUC-750	\$8.95



37° Flair Repair Seals

Description	part #	price \$
-6AN Seal	FR-6	\$2.05
-8AN Seal	FR-8	\$2.15
-10AN Seal	FR-10	\$2.10
-12AN Seal	FR-12	\$2.25

The stainless steel Unicoil allows you to configure custom bent lines using bulk straight hose. Hose bends of up to 90 degrees* can be accomplished using a single coil and two coils can be combined for up to a 180 degree*. The incorporated spring minimizes hose kinking and metal spine permanently holds its bend. We are continually finding uses for these handy products. *Note: maximum degree of bend is determined by flexibility of hose.

Copper/Alloy conical seals are handy for repairing slightly out of specification (leaking) AN connections or sealing hand-flared tubing with tube nuts and sleeves.

MOCAL USA

MOCAL USA

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	\$2.95
-4T (3/8" ID)	FF-4T	\$3.10
-4 (1/2" ID)	FF-4	\$3.20
-6 (5/8" ID)	FF-6	\$4.05
-8 (3/4" ID)	FF-8	\$4.30
-10 (7/82" ID)	FF-10	\$4.85
-12 (1" ID)	FF-12	\$5.55
-16 (1 1/4" ID)	FF-16	\$6.05
-20 (1 1/2" ID)	FF-20	\$6.95

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	\$19.40
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:** Externely High

Chemical Resistance: (1) No Effect, (2) Little Effect, (3) Affected, (4) More Affected, (5) Severely Affected

Aromatic Solvents (1), Alipahcic Solvents (1), Chlorinated Solvents (1), Weak Bases (1), Strong Bases (1), Salt Water (1), Hydraulic Fluid (MIL-H-5606) (1), Lubricating Oil (MIL-A-8243) (1), De-Icing Fluid (MIL-A-8243) (1), Strong Acids (2), Strong Oxidants (2), Esters/Keytones (1), UV Light (1), Petroleum (1), Fungus (ASTM G-21) (1), Salts (1).

Fire Foil High Temperature Heat Sleeve

Size	part #	price \$
-3,-4 (3/8" ID)	320503	\$3.95
-6 (5/8" ID)	320506	\$4.45
-8 (3/4" ID)	320508	\$4.75
-10 (7/82" ID)	320510	\$5.55
-12 (1" ID)	320512	\$5.95
-16 (1 1/4" ID)	320516	\$6.65
-20 (1 1/2" ID)	320520	\$7.35



Fire Foil Heat Sleeve

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.

BAT inc. 7630 Matoaka Road. Sarasota, FL 34243 ♦ phone (941) 355-0005 ♦ fax (941) 355-4683

Accessories & Tools (continued)



Hose/Cable Cutters

Description	part #	price \$
Cutter Small	HCC1	\$47.75
Cutter All Size	HCC2	\$69.00

This is the type tool we use to make hose cutting fast, precise and easy. Available in two sizes: small (12" handle) for up to -8AN and large (22" handle) will cut all sizes up to -20AN.

MOCAL
USA

MOCAL
USA