

WORLDWIDE AUTOMOTIVE SUPPLIERS

AUTOMECH



Quality Automotive Equipment & Parts since 1975



2012

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About Automec

Founded in 1975 by Ray Smith and based in Buckinghamshire, England, Automec specialise in the manufacture and distribution of quality automotive components.

Our range of ready-made brake pipe sets is the most comprehensive available anywhere in the world. We cater for such diverse vehicles as the Jaguar XK120, Lancia Appia, Messerschmidt FMR TG500 and the Pontiac Trans-Am.

Automec supply associated products including copper and copper nickel coils, brass unions, pipe connectors, silicone brake and clutch fluid, fuel feed kits and ABA hoseclips.

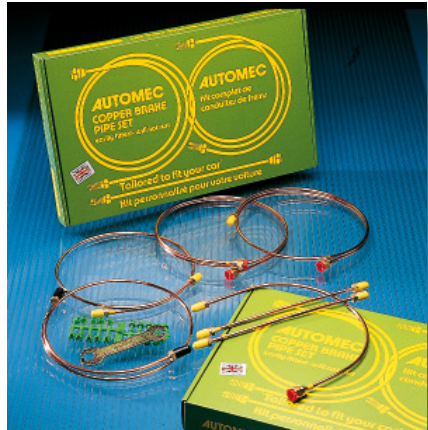
Ready Made Brake Pipe Sets

Easily fitted - Will not rust

Copper or copper nickel brake pipe sets tailored to fit specific vehicles, right or left hand drive. Each pipe is cut to the correct length, fitted with solid brass unions and marked clearly to indicate the correct location on the vehicle. Pipe fitting clips and brass in-line connectors are supplied where necessary. Individual brake pipes, clutch, reservoir, vacuum and oil pipes are also available. Sets can also be made to customer specification.

Special Application Brake Pipes

Pipes can be made to order to suit most auto and similar applications. Where required pipes can be supplied either straight or preformed. Customers of this service have included Caterham and McLaren Cars.



Individual Ready Made Brake Pipes

Single pipes are available from 4" to 300" in all diameters and union combinations to suit all vehicles right or left hand drive. Our detailed brake pipe specification telephone advisory service is available to all our stockists

Ready Made Fuel Feed Kits

Available for specific vehicles to carry fuel from tank to engine. Kits include: all the metal piping in copper, fuel and hydraulic fluid resistant hose, MINABA fuel pipe clips and a replacement filter where necessary.

For detailed product specifications please request a copy of our pricelist or visit our website:

www.automec.co.uk

**Copper and Copper Nickel Coils
25ft (7.62m)**

Automecc supply top quality thick-walled (0.9mm 20swg) Copper and Copper Nickel coils, conforming to BS2871 Part 3, C106/CN102. Batch tested for tensile strength, burst pressure and cleanliness to BLS.30. JC.101. Each coil is marked for traceability and is available in all diameters from 1/8" to 1/2" od. (and metric equivalents).



Goodridge stainless steel braided brake lines have become the standard in racing and this technology is available for all models of car in three different styles:

- Standard 600-3 clear-coated hose
- Colourflex coloured hose
- TUV approved hose

Goodridge kits feature the finest quality stainless steel braided hose which improves braking performance, eliminates the spongy feel of rubber hoses and provides superior resistance to corrosion.

Hose end fittings are available in zinc plated steel as standard with stainless steel fittings also available for the professional finish.

COPPER BRAKE TUBE DATA

We supply thick-walled copper. This material is 100% electrically and pressure tested. Every batch is also destructively tested for tensile and burst pressure results. Residue testing to BLS.30.JC.101 is also carried out on every batch to ensure cleanliness standards are met.

Working pressures 20g = 0.036" = 0.91mm
C106 soft copper

O.D.	Recommended		Theoretical	
	Max. Working	Burst Pressure	Burst Pressure	
	Lb/in/in	Bar	Lb/in/in	Bar
3/16"	3100	214	14000	965
1/4"	2250	155	9500	655
5/16"	1740	120	7500	517
3/8"	1450	100	6000	413
1/2"	1090	75	4000	275

This is not applicable to thin walled copper ie 22g = 0.028" = 0.71mm, which we do not recommend for brake systems



Silicone Brake and Clutch Fluid DOT5

Automec's Silicone Brake Fluid repels moisture so, unlike standard polyglycol brake fluid, it never needs changing. Rust and corrosion are inhibited because moisture is kept out of the system and the high boiling point of 260 degrees C is maintained throughout the life of the product therefore ensuring consistent, safe performance. In addition, unlike glycol, silicone will not catch fire easily and will not damage your paintwork should any accidental spillage occur.

Made in the USA and used exclusively by the US Military in their light vehicles, Silicone Brake Fluid conforms to the US DOT5 standard as well as the US Federal Motor Vehicle Safety Standard 116 and US Military Standard MIL B46176.

Extracts from Papers by the Society of Automotive Engineers (SAE) www.sae.org

Silicone based brake fluids have demonstrated performance characteristics that are improvements over current brake fluids. They do not absorb water through elastomeric brake hoses, and their boiling point and low viscosity do not change in service. The tendency toward brake system corrosion and vapour pressure of silicone fluids are minimal. Silicone fluids are compatible with brake system components and will function as an effective brake fluid

even when mixed with glycol brake fluids. SAE paper No. 740128 G.R.Browning Electric Corp.

An examination of the properties desired in an ideal brake fluid indicates a near perfect fit with the properties of polydimethylsiloxanes, commonly referred to as silicones. A 168 car fleet operating over a seven year period by Dow Corning, silicone brake fluid has accumulated over 2.6million miles without maintenance. Examination of the hardware from selected vehicles has indicated that: (1) flush filling using a variety of bleeding techniques can reduce corrosion, increase brake system life and provide improved performance at low temperatures. (2) pure silicone systems will essentially eliminate brake system wear and corrosion for at least 70,000 miles with service periods in excess of 100,000 miles being feasible. SAE paper 780661 Holbrook & Sloun Dow Corning Corp.



WHY USE AUTOMEC SBF?

Lasts a lifetime, does not need changing
Guarantees consistent performance
Will not damage vehicle paintwork
Will not easily catch fire
Inhibits corrosion

www.siliconebrakefluid.com



Brass Unions

We offer the most comprehensive range of solid brass brake, clutch and fuel pipe unions, bleed screws, olives, in-line and 3/4-way connectors. Several different assortment boxes are also available.

Plastic and Metal Pipe Clips

A wide variety of pipe and cable securing clips are available in plastic and metal to suit many different applications. They can be supplied in bulk or in mixed assortment boxes.



Speedfit™ Pipe Connectors

A Queen's Award to Industry winner
High quality nylon and metal quick-fit pipe connectors in a wide variety of sizes and configurations including in-line connectors, three-way pieces, pipe splitters and bulkhead fittings. Suitable for fuel, air and liquids operating below 100 bar.



ABA Products

ABA first began manufacturing in Sweden in 1896 and went on to become a leading multinational company in the design and production of hose and pipe clips.

Supplied by Automec to the VW/AUDI dealer network in the UK since 1982 and to quality manufacturers worldwide for more than fifty years, ABA hoseclips feature a single-piece blue pressed housing with a 12mm rolled edge band and smooth underside.

The complete range includes a small MINABA clip suitable for fuel and other thin walled hoses, rubber lined 'P' clips (designed for reliable vibration damping of pipes, cables and hoses) and special clips designed for use with silicone hoses to prevent leakage and deformity. Most clips are available in stainless steel, conforming to SS2320/ AIS1430.

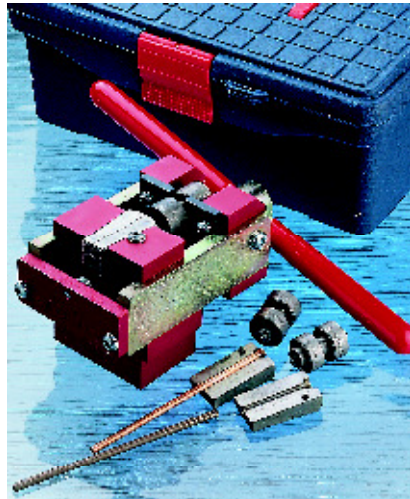


OAKES TOOLS

Oakes' specialist range of tools incorporates unique products which are recognised throughout the industry for their quality, reliability and accuracy. Our Automatic flaring tool is the only manual tool that produces pipes in under 15 seconds with minimal material wastage.

The Universal tool (pictured right) is capable of producing all SAE and DIN flares as well as the special flares used by Citroen and Rolls-Royce. Vice mounted, with nothing to set or adjust, pipe positioning is automatic and there is a fail-safe method for locating the unique hardened wedge-shaped clamps. Different part numbers are used to determine the punch and clamp sets supplied with each tool. All sizes are available from 3/16" (4.75mm) to 1/2" (12mm) including 3.5mm, 4.5mm and 6.35mm Citroen and Rolls-Royce.

Oakes pipe bending tools come in a range of sizes to suit both DIY and commercial



users. Included in our range are the 111 bender (pictured below left), 113 large pipe benders, 3/16" deburrers, heavily chrome plated hose clamps and special pipe spanners.

Increasingly popular is our 160 small pipe bending tool; this hand held clamp allows neat, small radius bends to be made on 3/16" steel, copper and copper nickel brake piping.

For further information regarding the complete Oakes Tools range please call us on 01280 822818 or alternatively visit us online at www.oakes-tools.co.uk.

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