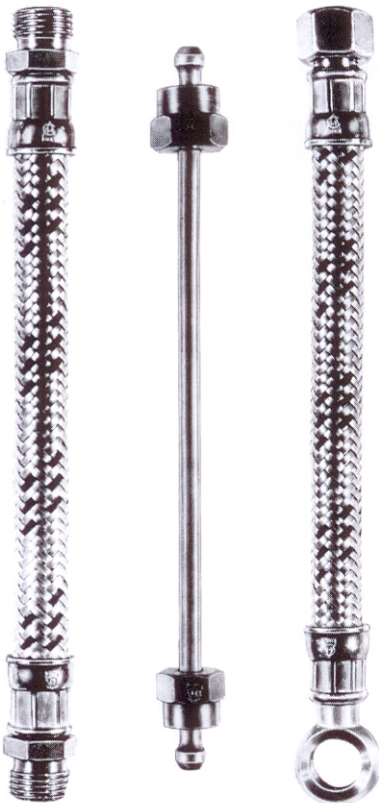


# Hose Lines Pipe Lines Fittings



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## **CARLTON** HYDRAULICS LIMITED

Major UK Stockist of Cohline Automotive Products

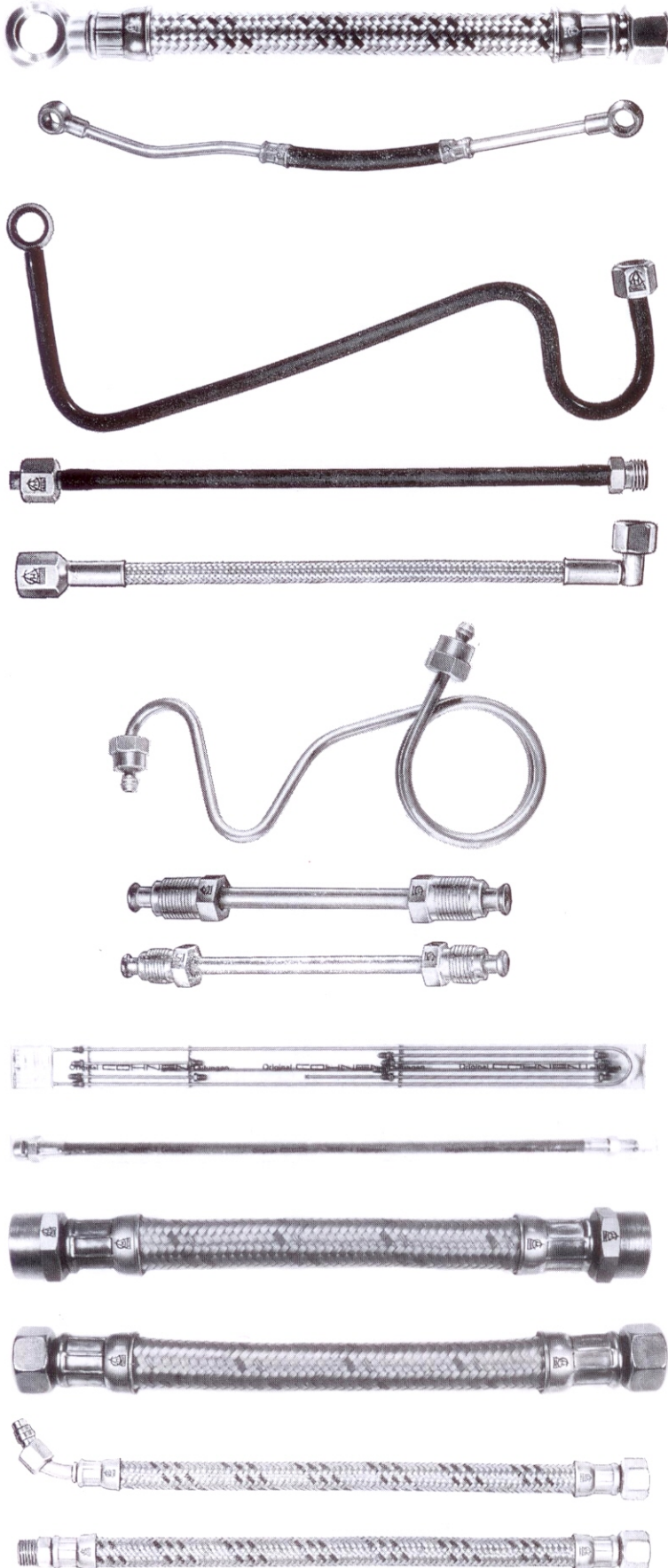
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AUTOMOTIVE FLUID HANDLING TECHNOLOGIES

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The British Fluid Power  
Distributors Association  
since 1970



# MANUFACTURING PROGRAMME



## Motor lines, tube and hose lines and fittings

Fuel hoses with banjo fittings,  
fuel hoses with nipples and swivel nut,  
oil leakage hoses,  
Oil hoses with outside thread nipples.  
Hoses with steel, copper connectors and  
bends. Tyre inflation hoses.  
Central lubrication hoses.  
For technical data see catalogue AFHC, part 2



## Automotive polyamide tubes and connection fittings

Especially for fuel, lubrication, oil, air, low pressure,  
coolant, vacuum and hydraulic lines.  
For technical data see catalogue AFHC, part 3



## Injection pipes and fittings

Seamless special steel high pressure pipes as  
per DIN (73000) ISO 8535-1 1,5,2 and 2,25 mm  
wall thickness, outside dia 6 mm, with flared heads  
as per DIN standards or COH patented heads,  
pressure washers, pressure nipples, solder sleeves  
and swivel nuts.

For technical data see catalogue AFHC, part 1



## Brake lines and fittings

Pre bent for installation, or in fixed lengths,  
with both ends flared.  
Brake pipes as per DIN 74234, of steel line inside  
and outside copper coating, outside dia. 4,75 mm,  
with flared ends as per DIN F and E, with swivel  
screws or nuts. Brake pipes of steel line inside and  
outside copper coating, outside dia. 6,0 mm, with  
flared ends as per DIN E, swivel screws M 12 x 1.  
Hydraulic brake hoses. Compressed air brake hoses  
with swivel nuts resp. outside thread.

For technical data see catalogue AFHC, part 4



## Oil furnace lines

Oil furnace hoses with swivel nuts and sealing  
nipples, outside thread, steel or copper pipe nipples,  
connectors, bends, etc.

For technical data see catalogue AFHC, part 2  
(Hose and tube also available in metres ex stock)





## Fittings and screw connections

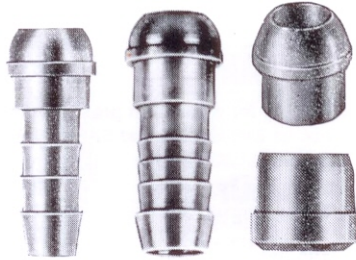
**Banjo hose nipple**  
as per B/E DIN 7642



**Banjo bolt**  
as per DIN 7643, short  
as per DIN 7643, long



**Solder banjo**  
as per B/E DIN 7642



**Hose nipple  
Solder nipple**  
as per DIN 3863

**Brazed hexagon nipple  
with outside thread**  
as per DIN 7633



**Cut ring**  
as per DIN 3861 resp. ISO 8434-1

**Swivel nut**  
as per DIN 7606

**Swivel nut**  
as per A/B DIN 3870 resp. ISO 8434-1

**Hose nipple with  
outside thread**  
suitable for connection acc. to DIN 3863  
or DIN 3861

**Hose nipple with  
inside thread**  
with threaded hole FL acc. to DIN 74235

**Copper joint ring**  
as per A DIN 7603

**Swivel screw**  
as per A DIN 3871

**Union straight**  
connection as per DIN 74298  
complete with cut ring, pressure  
ring, joint ring and swivel nut

**Union-T**  
connection as per A DIN 74302  
complete as before

**Adaptor**  
as per DIN 74299

Turned steel parts are supplied blank,  
galvanized and passivated, as per  
customer's specifications.



## Automotive hoses

perbunan, resistant against petrol, diesel oil and oil.

Type: PVC hose  
transparent  
type 2010



Type: Pneumatic hose  
PVC transparent with fibre braiding  
type 2032



Type: DIN 73411  
Cooling water hose  
S-EPDM/S-EPDM - with aramid braiding inside  
and abrasion resistant outer rubber layer  
type 2035



Type: A (DIN 73379 edition 8/52)  
Fuel hose  
NBR - without braiding  
type 2110



Type: C (DIN 73379 edition 8/52)  
Fuel hose  
NBR - with zinc plated steel wire braiding  
type 2120



Type: B (DIN 73379 edition 8/52)  
Fuel hose, Oil and vacuum hose  
NBR - with vulcanized yarn braiding  
type 2122, 2620



Type: B (DIN 73379 edition 8/52)  
Fuel hose, Oil and vacuum hose  
NBR - with vulcanized yarn braiding  
and additional zinc coated steel wire braiding  
type 2122.13, 2620.13



Type: (DIN 73379-2A edition 11/97)  
Fuel hose  
NBR/CR - with textile braiding inside  
and abrasion resistant outer rubber layer  
type 2134



Type: (DIN EN 73379-3E edition 11/97)  
Bio-Diesel Fuel hose  
FPM/ECO - with aramid braiding inside  
and abrasion resistant outer rubber layer  
type 2240



Type: Oil pressure hose  
NBR/CM - with polyester braiding inside  
and abrasion resistant outer rubber layer  
type 2633



Type: High temperature oil hose  
AEM/AEM - with polyester braiding inside  
and abrasion resistant outer rubber layer  
type 2731



## Brake hose

Type: DIN 74310  
Compressed air brake hose  
SBR/SBR/CR - with polyester  
braiding inside  
type 2333

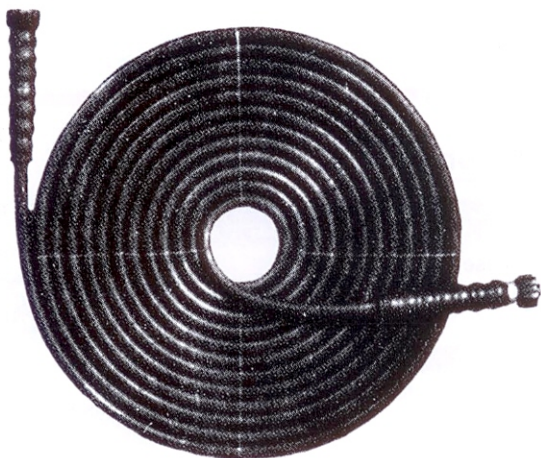






## Hose lines and connection fittings for high-pressure and extra high pressure

Hydraulic hoses in standard lengths, ready for installation, at short term deliveries. Please call for our detailed hydraulic catalogue HFHC for hoses and fittings. Admissible operating temperatures :- 40°C to + 121°C resp. -40°F to + 250°F depending on fluids.  
The specified operating pressures are for dynamic loads.



DN (NW)	Working pressure bar	Testing pressure bar	Bursting pressure bar	Admissible bending radius mm	Part- number
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### Pressure table for high-pressure hose 2 TE

(with 1-2 textile fibre wire braiding inside), acc. to DIN EN 854

6	75	150	300	40	4024.0600
8	68	136	272	50	4024.0800
10	63	126	252	60	4024.1000
13	58	116	232	70	4024.1300
16	50	100	200	90	4024.1600
20	45	90	180	110	4024.2000
25	40	80	160	150	4024.2500
32	35	80	140	160	4024.3200

### Pressure table for high-pressure hose 3 TE

(with 2 textile fibre wire braiding inside), acc. to DIN EN 854

6	145	290	580	45	4034.0600
8	130	260	520	55	4034.0800
10	110	220	440	70	4034.1000
13	93	186	372	85	4034.1300
16	80	160	320	105	4034.1600
20	70	140	280	130	4034.2000
25	55	110	220	150	4034.2500
32	45	90	180	190	4034.3200

### Pressure table for extra high pressure hose 1 SN (with 1 steel wire braiding inside), acc. to DIN EN 853 and SAE 100 R1 AT, similar ISO 1436

6	225	450	900	100	4054.0600
8	215	430	850	115	4054.0800
10	180	360	720	130	4054.1000
13	160	320	640	180	4054.1300
16	130	260	520	200	4054.1600
20	105	210	420	240	4054.2000
25	88	175	350	300	4054.2500
32	63	150	250	420	4054.3200
40	50	100	200	500	4054.4000
50	40	80	160	630	4054.5000

### Pressure table for extra high pressure hose 2 SN (with 2 steel wire braiding inside), acc. to DIN EN 853 and SAE 100 R2 AT, similar ISO 1436

6	400	800	1600	100	4064.0600
8	350	700	1400	115	4064.0800
10	330	660	1320	130	4064.1000
13	275	550	1100	180	4064.1300
16	250	500	1000	200	4064.1600
20	215	430	850	240	4064.2000
25	165	325	650	300	4064.2500
32	125	250	500	420	4064.3200
40	90	180	360	500	4064.4000
50	80	160	320	630	4064.5000

### Pressure table for extra high pressure hose 4 SP/ at DN 20 4 SH (with 4 steel wire spiral layers), acc. to DIN EN 856

10	445	890	1780	180	4184.1000
13	415	830	1660	230	4184.1300
16	350	700	1400	250	4184.1600
20	420	840	1680	280	4184.2000
25	380	760	1520	340	4184.2500
32	325	650	1300	460	4184.3200
40	290	580	1160	560	4184.4000
50	250	500	1000	700	4184.5000



## High-pressure lines of polyamide

(please call for catalogue HFHC)