

# HYDRAQUIP

## HOSE & HYDRAULICS

### NEW PRODUCTS RANGE



NEW PRODUCTS: AEROQUIP - BOSCH REXROTH - ENERPAC - TANGYE



# NEW PRODUCT BROCHURE

Welcome to Hydraquip's new product brochure which showcases the recent additions introduced to the growing product portfolio. Premier brands such as Bosch Rexroth, Eaton Aeroquip and Enerpac have been introduced to the range as a result of Hydraquip achieving official distributorships. In addition to these well known brands Hydraquip have introduced a range of Tangye jacks and pumps, slings, chain slings, service plugs and hydraulic lubricants to their new product brochure.



**TANGYE**

**EATON**

**Aeroquip**

**ENERPAC**

POWERFUL SOLUTIONS. GLOBAL FORCE.

**Rexroth**  
Bosch Group





# Rexroth

Bosch Group

**SERVICE PARTNER**

AS A SERVICE PARTNER HYDRAQUIP CAN OFFER:

On Site Installation

Troubleshooting - Fault Finding & Diagnostics

Repair & Refurbishment

Pre-Agreed Maintenance Contracts



- Pumps
- Motors
- Cylinders

- On/Off Valves
- Proportional Servo Valves
- Electronic Components

- Control Block & Plates
- Accumulators
- Power Units



Hydraquip stock a fast moving range of Bosch Rexroth products from its diverse range of external gear pumps, vane pumps, axial piston pumps, directional valves, sandwich valves, pressure relief valves, pressure reducing valves, check valves, and speed valves.



**Rexroth**  
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# External Gear Pumps

Tech Sheet: RE10089

## AZPF External Gear Pumps

Features:  
Nominal pressure 280 bar (4060 psi)  
4 Bolt Rectangular mounting flange 80mm spigot  
1:5 Taper Shaft, Rectangular Flanged Ports, Clockwise Rotation



Gear pumps are extremely simple and reliable, engineered by Bosch Rexroth to deliver the reliable hydraulics performance. Fixed displacement gear pumps are the most common hydraulic component. Simple in design, with few moving parts, Rexroth has designed these gear pumps to meet the rigors of industrial use.

### 4 Bolt Rect Mount Taper Shaft Flange Ports

		Displacement cc/rev	RPM		L/min	£
0510225006	AZPF - 12/004RCB20KB	4.1	4000	280 (4000 psi)	6.0 L/min	192.00
0510325019	AZPF - 12/005RCB20KB	5.6	4000	280 (4000 psi)	8.4 L/min	192.00
0510425022	AZPF - 12/008RCB20KB	8.2	4000	280 (4000 psi)	12.3 L/min	192.00
0510525022	AZPF - 12/011RCB20KB	11.3	3025	280 (4000 psi)	17.25 L/min	200.00
0510625033	AZPF - 12/016RCB20KB	16.5	3000	280 (4000 psi)	24.75 L/min	200.00
0510725030	AZPF - 12/022RCB20KB	22.4	3000	210 (3000 psi)	33.6 L/min	202.00

# Vane Pumps

Tech Sheet: RE10515

## PV7 Pilot Operated, Adjustable Vane Pump

Features:  
Nominal displacements from 14 - 45 cc/rev  
Max flows @ 1800 rpm from 21-66 l/min  
Max operating pressure 160 bar



The pilot operated PV7 variable vane pump offers control of both pressure and flow, the adjustable displacement and high repeatable accuracies with low pressure peaks during down control make it an ideal pump for low pressure applications. The PV7 pump has a low operating noise and the Hydro-dynamically lubricated plain bearings offer a long operating life. A low hysteresis and very short control times for on and off stroke makes it extremely responsive.

### 160 Bar Threaded Body Pressure Control

		Displacement cc/rev		L/min	£
R900580381	PV7 - 1X/10-14 RE01MCO-16	14 cm <sup>3</sup>	160 Bar (2320 psi)	21 L/min	986.00
R900580382	PV7 - 1X/16-20 RE01MCO-16	20 cm <sup>3</sup>	160 Bar (2320 psi)	29 L/min	1256.00
R900580383	PV7 - 1X/25-30 RE01MCO-16	30 cm <sup>3</sup>	160 Bar (2320 psi)	43.5 L/min	1614.00
R900580384	PV7 - 1X/40-45 RE37MCO-16	45 cm <sup>3</sup>	160 Bar (2320 psi)	66 L/min	2240.00

# Axial Piston Pumps

Tech Sheet: RE92711

## A10VSO Series 31, Axial Piston Variable Displacement Pump

Features:  
Series 31 Axial Piston Pump  
Nominal displacements from 18 - 100 cc/rev  
Max flow from 59 - 200 l/min  
Nominal continuous pressure 280 bar - peak pressure 350 bar



A variable displacement axial piston pump of swashplate design for hydrostatic open circuit systems. The flow and pressure control DFR1 ensures the pump flow is equal to the actual flow required by the service regardless of the change in pressure. Low noise level, low-pressure pulsation, high efficiency unit.

### A10VSO Pressure Control Axial Piston Pump

		Displacement cc/rev	RPM	L/min	£
R910991846	AA10VSO 18 DFR1 31/RVPA12NOO	18	3300	27 L/min	1406.00
R910916805	AA10VSO 28 DFR1 31/RVPA12NOO	28	3000	42 L/min	1852.00
R910967365	AA10VSO 45 DFR1 31/RVPA12NOO	45	2600	68 L/min	2390.00
R902473184	AA10VSO 71 DFR1 31/RVPA42NOO	71	2200	107 L/min	3018.00
R910920847	AA10VSO 100 DFR1 31/RVPA12NOO	100	2000	150 L/min	3916.00



# Directional Valves

## CETOP 3 Direct Operated Valves

Features:

- Size 6
- Maximum operating pressure 350 bar
- Maximum flow 80 l/min - DC / 60 l/min - AC
- Component series 6X

Tech Sheet: RE23178



### Single Solenoid, 2 Position, D Spool (P to A, B to T), Spring Return



R900561274	4WE6D6X/EG24N9K4	24VDC	134.00
R900551704	4WE6D6X/EW110N9K4	110VAC	134.00
R900909559	4WE6D6X/EW230N9K4	230VAC	134.00

### Single Solenoid, 2 Position, D Spool (P to A, B to T), Detent



R900567512	4WE6D6X/OF/EG24N9K4	24VDC	182.00
R900552321	4WE6D6X/OF/EW110N9K4	110VAC	182.00
R900915095	4WE6D6X/OF/EW230N9K4	230VAC	182.00

### Single Solenoid, 2 Position, Y Spool (P to B A to T), Spring Return



R900561276	4WE6Y6X/EG24N9K4	24VDC	134.00
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### Double Solenoid, 3 Position, H Spool (Open Centre), Spring Return



R900561286	4WE6H6X/EG24N9K4	24VDC	160.00
R900906672	4WE6H6X/EW110N9K4	110VAC	160.00
R900912494	4WE6H6X/EW230N9K4	230VAC	160.00

### Double Solenoid, 3 Position, E Spool (All Ports Blocked), Spring Return



R900561278	4WE6E6X/EG24N9K4	24VDC	160.00
R900558641	4WE6E6X/EW110N9K4	110VAC	160.00
R900912492	4WE6E6X/EW230N9K4	230VAC	160.00

### Double Solenoid, 3 Position, G Spool (P to T A & B Blocked), Spring Return



R900561282	4WE6G6X/EG24N9K4	24VDC	160.00
R900558642	4WE6G6X/EW110N9K4	110VAC	160.00
R900912493	4WE6G6X/EW230N9K4	230VAC	160.00

### Double Solenoid, 3 Position, J Spool (A & B to T Blocked), Spring Return



R900561288	4WE6J6X/EG24N9K4	24VDC	160.00
R900551703	4WE6J6X/EW110N9K4	110VAC	160.00
R900911762	4WE6J6X/EW230N9K4	230VAC	160.00

## CETOP 5 Direct Operated Valves

Features:

- Size 10
- Maximum operating pressure 420 bar
- Maximum flow 150 l/min
- Component series 5X

Tech Sheet: RE23340



### Single Solenoid, 2 Position, D Spool (P to A, B to T), Spring Return



R901278760	4WE10D5X/EG24N9K4/M	24VDC	202.00
R901324452	4WE10D5X/EG96N9K4/M	96VAC	202.00
R901336181	4WE10D5X/EG205N9K4/M	205VAC	202.00

### Single Solenoid, 2 Position, Y Spool (P to B, A to T), Spring Return



R901278769	4WE10Y5X/EG24N9K4/M	24VDC	202.00
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### Double Solenoid, 3 Position, H Spool (Open Centre), Spring Return



R901278762	4WE10H5X/EG24N9K4/M	24VDC	228.00
R901324446	4WE10H5X/EG96N9K4/M	96VAC	228.00

### Double Solenoid, 3 Position, E Spool (All Ports Blocked), Spring Return



R901278761	4WE10E5X/EG24N9K4/M	24VDC	228.00
R901324449	4WE10E5X/EG96N9K4/M	96VAC	228.00
R901336183	4WE10E5X/EG205N9K4/M	205VAC	228.00

### Double Solenoid, 3 Position, G Spool (P to T A & B Blocked), Spring Return



R901278768	4WE10G5X/EG24N9K4/M	24VDC	228.00
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### Double Solenoid, 3 Position, J Spool (P Blocked A & B to T), Spring Return



R901278744	4WE10J5X/EG24N9K4/M	24VDC	228.00
R901324445	4WE10J5X/EG96N9K4/M	96VAC	228.00
R901327207	4WE10J5X/EG205N9K4/M	205VAC	228.00

# Sandwich Valves

## CETOP 3 Pressure Relief Valves

- Features:
- Size 6
  - Maximum operating pressure 315 bar
  - Maximum flow 60 l/min
  - Component series 4X

Tech Sheet: RE25751



The pilot operated relief valve is used to control or limit the pressure in a system to protect equipment from being subjected to pressures that exceed their design limits.

The pressure relief valve pressure is set by adjusting an internal spring. When the internal spring pressure in the valve is exceeded (set pressure in the P line is exceeded), the pilot poppets open and hydraulic fluid flows from the pressure side of the spool through the pilot valve diverting flow back to tank.

## CETOP 5 Pressure Relief Valves

- Features:
- Size 10
  - Maximum operating pressure 315 bar
  - Maximum flow 100 L/min (26.4 GPM)
  - Component series 4X

Tech Sheet: RA25761



The pilot operated relief valve is used to control or limit the pressure in a system to protect equipment from being subjected to pressures that exceed their design limits.

The pressure relief valve pressure is set by adjusting an internal spring. When the internal spring pressure in the valve is exceeded (set pressure in the P line is exceeded), the pilot poppets open and hydraulic fluid flows from the pressure side of the spool through the pilot valve diverting flow back to tank.

### ZDR Direct Operated, Pressure Relief Valve



R900409898

ZDB6VP2-4X/315V

186.00

### ZDB and Z2DB Pilot Operated, Pressure Relief Valve



R900409958

ZDB10VP2-4X/315V

302.00

## CETOP 3 Pressure Reducing Valves

- Features:
- Size 6
  - Maximum operating pressure 210 bar
  - Maximum flow 50 l/min
  - Component series 4X

Tech Sheet: RE26570



The pressure reducing valve is used to regulate pressure in one or more areas of a hydraulic circuit independent of the main pressure relief valve.

Pressure reducing valve type is a 3-way direct operated pressure reducing valve of sandwich plate design with a pressure relief function on the secondary side. It is used to reduce a system pressure.

The secondary pressure is set by the pressure adjustment element that internally senses the signal and the pilot pressure.

The valves are available with a range of secondary pressure settings.

## CETOP 5 Pressure Reducing Valves

- Features:
- Size 10
  - Maximum operating pressure 210 bar
  - Maximum flow 80 l/min
  - Component series 5X

Tech Sheet: RE26585



The pressure reducing valve is used to regulate pressure in one or more areas of a hydraulic circuit independent of the main pressure relief valve.

Pressure reducing valve type is a 3-way direct operated pressure reducing valve of sandwich plate design with a pressure relief function on the secondary side. It is used to reduce a system pressure.

The secondary pressure is set by the pressure adjustment element that internally senses the signal and the pilot pressure.

The valves are available with a range of secondary pressure settings.

### ZDR Direct Operated, Pressure Reducing Valves



R900483785

ZDR6DP2-4X/25YM

25

222.00

R900483786

ZDR6DP2-4X/75YM

75

222.00

R900483787

ZDR6DP2-4X/150YM

150

222.00

R900483788

ZDR6DP2-4X/210YM

210

222.00

### ZDB and Z2DB Pilot Operated, Pressure Reducing Valves



R900410875

ZDR10DP2-5X/75YM

75

320.00

R900410880

ZDR10DP2-5X/150YM

150

320.00

R900410876

ZDR10DP2-5X/210YM

210

320.00

## Sandwich Valves

### CETOP 3 Check Valves

Features:  
Leak Free Blocking in Channel A & B  
Cracking Pressure 1.5 Bar  
Maximum Operating Pressure 315 bar  
Maximum Flow 60 l/min  
Component series 6X

Tech Sheet: RE21548



The valve type Z2S is a pilot operated check valve in a sandwich plate design. It is used for the leakage free blocking of one or two actuator ports, even for long standstill times. The two stage set-up with an increased control open ratio means even low pilot pressure can be released securely.

#### Z2S Pilot Operated, Check Valves



R900347495

Z2S6-1-6X



168.00

### CETOP 5 Check Valves

Features:  
Leak Free Blocking in Channel A & B  
Cracking Pressure 1.5 Bar  
Maximum Operating Pressure 315 bar  
Maximum Flow 60 l/min  
Component series 6X

Tech Sheet: RE21553



The valve type Z2S is a pilot operated check valve in a sandwich plate design. It is used for the leakage free blocking of one or two actuator ports, even for long standstill times. The two stage set-up with an increased control open ratio means even low pilot pressure can be released securely.

#### Z2S Pilot Operated, Check Valves



R900407394

Z2S10-1-3X



312.00

### CETOP 3 Speed Control Valve

Features:  
• Maximum operating pressure 315 bar  
• Maximum flow 80 l/min  
• Component series 4X

Tech Sheet: RE27506



Twin throttle check valve in a sandwich plate design for vertical stacking. Speed Control Valves serve to limit the main or pilot flow, two systematically arranged throttle check valves limit the flow by means of adjustable throttling spools in one direction and give free return flow in the other.

#### Z2FS Speed Control Valve



R900481624

Z2FS6-2-4X/2QV



158.00

### CETOP 5 Speed Control Valve

Features:  
• Maximum operating pressure 315 bar  
• Maximum flow 160 l/min  
• Component series 3X

Tech Sheet: RE27518



Twin throttle check valve in a sandwich plate design for vertical stacking. Speed Control Valves serve to limit the main or pilot flow, two systematically arranged throttle check valves limit the flow by means of adjustable throttling spools in one direction and give free return flow in the other.

#### Z2FS Speed Control Valve



R900517812

Z2FS10-5-3X/V



206.00

## Coils & Accessories

### Coils & Accessories



R901258093

24V Coil for WE10 5X

R901267184

96V Coil for WE10 5X

R901267190

205V Coil for WE10 5X

R901017025

Rect Plug



66.00

70.00

70.00

20.00



# ENERPAC

POWERFUL SOLUTIONS. GLOBAL FORCE.



Authorised  
**ENERPAC**  
Service Centre

## PUMPS

Manual, electric, air, petrol powered. Delivering pressures from 175 bar to 2800 bar.

## CUTTERS

Self contained, independent cutter heads for cutting round bar, wire strand and cable with a diameter of up to 50mm.

## MAINTENANCE

Machine lifts and skates, hole punch kits, machine lifts, wedgies and spreaders, pipe benders, bearing pullers and full maintenance kits.

## CYLINDERS

Both single and double acting cylinders in steel or aluminium. Tonnages ranging from 5 tonne to 1000 tonne.

## BOLTING EQUIPMENT

Hydraulic torque wrenches, torque multipliers, impact sockets, cassette and hexagon wrenches.

## ENERPAC PRODUCTS REPAIRS

Repairs carried out within 3-4 days subject to spares availability by a trained Hydraquip technician using only Enerpac original parts.



# Enerpac 700 bar Hydraulic Cylinders

## Single Acting, Spring Return Cylinders

- The G R2 Bearing System absorbs eccentric loading to prevent galling cylinder parts
- Heavy-duty return spring for fast retraction
- External access to fasteners requires only standard shop tools for simplified maintenance
- Plunger wiper reduces contamination, extending cylinder life
- Base and plunger made from high strength alloy steel for durability
- Collar threads, plunger threads and base mounting holes enable easy fixturing on most models
- Hardened removable grooved saddles
- Cylinders can be used in all positions



- Compact and portable
- For use where other cylinders will not fit
- Maximum power-to-height ratio
- Large plunger contact area with grooved end



### RC-Duo General Purpose Cylinders

	Capacity kN	Stroke	Collapse Height	kg	£
RC-50	45	16	41	1,0	215.00
RC-51	45	25	110	1,0	242.00
RC-53	45	76	165	1,5	269.00
RC-55	45	127	215	1,9	299.00
RC-57	45	177	273	2,4	330.00
RC-59	45	232	323	2,8	368.00
RC-101	101	26	89	1,8	255.00
RC-102	101	54	121	2,3	282.00
RC-104	101	105	171	3,3	311.00
RC-106	101	156	247	4,4	345.00
RC-108	101	203	298	5,4	382.00
RC-1010	101	257	349	6,4	425.00
RC-1012	101	304	400	6,8	472.00
RC-1014	101	356	450	8,2	523.00
RC-151	142	25	124	3,3	350.00
RC-152	142	51	149	4,1	389.00
RC-154	142	101	200	5,0	432.00
RC-156	142	152	271	6,8	478.00
RC-158	142	203	322	8,2	531.00
RC-1510	142	254	373	9,5	587.00
RC-1512	142	305	423	10,9	652.00
RC-1514	142	356	474	11,8	724.00
RC-251	232	26	139	5,9	418.00
RC-252	232	50	165	6,4	464.00
RC-254	232	102	215	8,2	514.00
RC-256	232	158	273	10,0	569.00
RC-258	232	210	323	12,2	632.00
RC-2510	232	261	374	14,1	702.00
RC-2512	232	311	425	16,3	778.00
RC-2514	232	362	476	17,7	863.00
RC-308	295	209	387	18,1	1068.00
RC-502	498	51	176	15,0	863.00
RC-504	498	101	227	19,1	958.00
RC-506	498	159	282	23,1	1064.00
RC-5013	498	337	460	37,6	1412.00
RC-756	718	156	285	29,5	1804.00
RC-7513	718	333	492	59,0	2396.00
RC-1006	933	168	357	59,0	2182.00
RC-10010	933	260	449	72,6	2704.00

### Low Height Cylinders

	Capacity kN	Stroke	Collapse Height	kg	£
RCS-101	101	38	88	4,1	275.00
RCS-201	201	45	98	5,0	356.00
RCS-302	295	62	117	6,8	464.00
RCS-502	435	60	122	10,9	600.00
RCS-1002	887	57	141	22,7	942.00
RSM-50	45	6	32	1,0	210.00
RSM-100	101	11	43	1,4	269.00
RSM-200	201	11	51	3,1	350.00
RSM-300	295	13	58	4,5	455.00
RSM-500	435	16	66	6,8	591.00
RSM-750	718	16	79	11,3	780.00
RSM-1000	887	16	85	14,5	970.00
RSM-1500	1386	16	100	26,3	1391.00

## Hollow Plunger Cylinders

- Hollow plunger design for both push and pull forces
- Safety valve in double-acting models prevents over-pressurizing



### Spring Or Hydraulic Return

	Capacity kN	Stroke	Collapse Height	Hole Centres mm	kg	£
RCH-120	125   -	8	55	19,6	1,5	335.00
RCH-121	125   -	42	120	19,6	1,5	435.00
RCH-123	125   -	76	184	19,6	4,4	564.00
RCH-202	215   -	49	162	26,9	7,7	655.00
RCH-206	215   -	155	306	26,9	14,1	914.00
RCH-302	326   -	64	178	33,3	10,9	702.00
RCH-306	326   -	155	330	33,3	21,8	1063.00
RRH-307	326   213	178	330	33,3	21,0	1448.00
RRH-606	576   380	166	323	53,8	35,0	2012.00
RRH-6010	576   380	257	438	53,8	45,0	2515.00
RRH-1001	931   612	38	165	79,2	33,0	2443.00
RRH-1006	931   612	153	342	79,2	79,0	3816.00

## Pancake Lock Nut Cylinders - Low Profile

- Extremely low height for use in confined areas
- Lock nut for positive and safe mechanical load holding over a long period of time
- Optional special synthetic coating for improved corrosion resistance and lower friction for smoother operation
- Overflow port functions as a stroke limiter
- CR-400 coupler and dust cap included



### Single Acting, Load Return

	Capacity kN	Stroke	Collapse Height	kg	£
CLP-602	606	50	125	15	835.00
CLP-1002	1027	50	137	26	1077.00
CLP-1602	1619	45	148	44	POA
CLP-2002	1999	45	155	57	POA
CLP-2502	2567	45	159	74	POA
CLP-4002	3916	45	178	134	POA
CLP-5002	5114	45	192	189	POA



# Enerpac 700 bar Hydraulic Cylinders



## Double Acting, High Tonnage

- Stop ring provides piston blow-out protection
- Safety valve in retract side of cylinder helps to prevent damage in case of accidental over-pressurisation
- Plunger wiper reduces contamination, extending cylinder life
- CR-400 coupler and dust cap included
- Interchangeable, hardened grooved saddles are standard



## Heavy Duty, Long Stroke

- Hollow plunger allows push and pull force
- Composite bearings increase cylinder life and sideload resistance
- Handles standard included on all models
- Steel base plate and saddle



### Double Acting, Hydraulic Return

	Capacity kN	Stroke	Collapse Height	kg	£
	push   pull				
CLRG-502	539   269	50	162	17	940.00
CLRG-506	539   269	150	262	23	1051.00
CLRG-5010	539   269	250	362	31	1168.00
CLRG-1002	929   433	50	179	29	1647.00
CLRG-1006	929   433	150	279	40	1848.00
CLRG-10010	929   433	250	379	52	2082.00
CLRG-1502	1390   675	50	196	39	1914.00
CLRG-1506	1390   675	150	296	65	2215.00
CLRG-15010	1390   675	250	396	92	2586.00
CLRG-2002	1861   889	50	212	55	POA
CLRG-2006	1861   889	150	312	91	POA
CLRG-20012	1861   889	300	462	146	POA
CLRG-2502	2565   1068	50	235	89	POA
CLRG-2506	2565   1068	150	335	136	POA
CLRG-25012	2565   1068	300	485	207	POA
CLRG-30012	3193   1060	300	572	303	POA
CLRG-40012	3919   1354	300	624	421	POA
CLRG-50012	5114   1733	300	669	599	POA
CLRG-60012	5987   2068	300	679	701	POA
CLRG-80012	8234   2709	300	734	1058	POA
CLRG-100012	10260   3792	300	814	1439	POA

### Spring Or Hydraulic Return

	Capacity kN	Stroke	Collapse Height	Hole Centres mm	kg	£
RACH-202	229	50	188	27	5,2	997.00
RACH-206	229	150	315	27	7,1	1437.00
RACH-302	358	50	208	34	8,0	1219.00
RACH-306	358	150	333	34	11,2	1755.00
RACH-604	596	100	315	54	19,2	2510.00
RACH-606	596	150	380	54	22,8	2887.00
RACH-1006	1157	150	391	79	46,2	4075.00

## Single Acting, High Tonnage

- Lowest height for use in confined spaces
- Overflow port functions as a stroke limiter
- Plunger wiper reduces contamination, extending cylinder life
- Interchangeable, hardened grooved saddles are standard
- Synthetic coating for improved corrosion resistance and lower friction
- CR-400 coupler and dust cap included



\* All CLRG-models are available in stroke increments from 50 mm to 300 mm

## Aluminium Cylinders - Lightweight

- Resistance to side-loads up to 10%
- Handles standard included on all models
- Steel base plate and saddle



### Single Acting, Spring Return

	Capacity kN	Stroke	Collapse Height	kg	£
RAC-202	218	50	174	3,6	655.00
RAC-204	218	100	224	4,1	728.00
RAC-206	218	150	274	4,6	809.00
RAC-302	309	50	181	4,5	869.00
RAC-304	309	100	231	5,2	965.00
RAC-306	309	150	281	5,9	1071.00
RAC-502	496	50	186	8,5	1143.00
RAC-504	496	100	236	9,8	1269.00
RAC-506	496	150	286	11,1	1408.00
RAC-1004	1002	100	271	19,6	2200.00
RAC-1006	1002	150	321	21,9	2441.00
RAC-1506	1589	150	343	33,3	3712.00

### Single Acting, Load Return

	Capacity kN	Stroke	Collapse Height	kg	£
CLS-502	496	50	128	14	610.00
CLS-506	496	150	228	23	675.00
CLS-5010	496	250	327	33	831.00
CLS-1002	929	50	143	24	864.00
CLS-1006	929	150	243	40	1146.00
CLS-10010	929	250	343	58	1402.00
CLS-1502	1390	50	165	43	1215.00
CLS-1506	1390	150	295	69	1502.00
CLS-15010	1390	250	365	95	1853.00
CLS-2002	1859	50	193	66	POA
CLS-2006	1859	150	293	101	POA
CLS-20012	1859	300	443	154	POA
CLS-2502	2562	50	193	90	POA
CLS-25012	2562	300	443	208	POA
CLS-30012	3913	300	485	288	POA
CLS-40012	3919	300	515	390	POA
CLS-50012	5118	300	545	540	POA
CLS-60012	5983	300	560	640	POA
CLS-80012	8238	300	605	950	POA
CLS-100012	5983	300	635	1210	POA

# Enerpac Hydraulic Pumps

## Lightweight Hand Pumps

- Impact and corrosion resistant
- Low handle effort
- Internal adjustable pressure relief valve



### Composite Hydraulic Hand Pumps

	For use with Cylinder	bar	Displacement Per Stroke (cm <sup>3</sup> )		Oil Capacity cm <sup>3</sup>	kg	£
			1st	2nd			
P-141	SA	700	-	0,90	327	2,4	238.00
P-142	SA	700	3,62	0,90	327	2,4	269.00
P-202	SA	700	3,62	0,90	901	3,4	328.00
P-391	SA	700	-	2,47	901	4,1	285.00
P-392	SA	700	11,26	2,47	901	4,1	361.00
P-802	SA	8700	39,34	2,47	2540	8,2	664.00
P-842	DA	700	39,33	2,47	2540	10,0	1186.00

\* SA = single-acting; DA = double-acting

## Steel Hand Pumps

- Durable, rugged metal design
- Vent free reservoir eliminates spills
- Reservoir over-pressurisation protection
- All steel construction, chrome plated plunger and wiper system for durable, long lasting performance
- External load release valve
- Internal adjustable pressure relief valve



### Ultima Steel Hand Pumps For Tough Jobs

	For use with Cylinder	bar	Displacement Per Stroke (cm <sup>3</sup> )		Oil Capacity cm <sup>3</sup>	kg	£
			1st	2nd			
P-39	SA	700	-	2,46	770	6,2	271.00
P-77	SA	700	16,39	2,46	770	7,1	415.00
P-80	SA	700	16,39	2,46	2200	10,7	528.00
P-801	SA	700	16,39	2,46	4100	14,1	703.00
P-84	DA	700	16,39	2,46	2200	11,8	832.00
P-462	SA	700	126,20	4,75	7423	27,7	1213.00
P-464	DA	700	126,20	4,75	7423	27,7	1487.00

\* SA = single-acting; DA = double-acting

## High Pressure Hand Pumps

- Two-speed operation for faster hydraulic system fill, reduced cycle times for many testing operations (P-2282)
- Grade 303 stainless steel construction for use with distilled water, diesters, silicones, soluble oils and petroleum (11-100, 11-400)
- Large release knob for improved control of pressure release



### High Pressure Hand Pumps

	bar	Displacement Per Stroke (cm <sup>3</sup> )		Oil Capacity cm <sup>3</sup>	kg	£
		1st	2nd			
P-2282	2800	16,22	0,61	983	6,4	785.00
11-100	700	-	2,49	737	10,0	3249.00
11-400	2800	-	0,62	737	10,0	3249.00

## Cylinder Pump Sets

- Optimum component match
- Includes cylinder, 2-speed hand pump, 1.8m long safety hose, gauge & adaptor



### Single Acting, Spring Return

	Capacity kN	To Suit Stroke	Collapse Height	Hole Centres mm	Cylinder Number	£
SCR-55H	45	27	215	-	RC-55	822.00
SCR-102H	101	54	121	-	RC-102	896.00
SCR-106H	101	156	247	-	RC-106	960.00
SCR-154H	142	101	200	-	RC-154	1046.00
SCR-156H	142	153	271	-	RC-156	1092.00
SCR-256H	232	158	273	-	RC-256	1184.00
SCR-2514H	232	362	476	-	RC-2514	1644.00
SCR-506H	498	159	282	-	RC-506	1845.00
SCL-101H	101	38	88	-	RCS-101	890.00
SCL-201H	201	45	98	-	RCS-201	971.00
SCL-302H	326	62	117	-	RCS-302	1078.00
SCL-502H	435	60	122	-	RCS-502	1215.00
SCL-1002H	887	57	141	-	RCS-1002	1723.00
SCH-202H	215	49	162	26,9	RCH-202	1269.00
SCH-302H	326	64	178	33,3	RCH-302	1317.00
SCH-603H	576	76	247	53,8	RCH-603	2094.00



# Enerpac Electric & Air Powered Pumps

## Electric Pumps

- Lightweight and compact
- Highest oil-flow-to-weight ratio: 3,31 l/min @13 bar; 0,32 l/min @ 700 bar
- Motor and valve remote control
- 50/60 - cycle universal motor 0,37 kW
- Designed for intermittent duty cycle



### Economy Pumps

	For use with Cylinder	Valve Type	Oil Capacity cm <sup>3</sup>	kg	£
PUD-1100E	SA	DUMP VALVE 3/2**	1,9	11,8	2091.00
PUJ-1200E	SA	MANUAL 3/2	1,9	10,8	1790.00
PUJ-1201E	SA	MANUAL 3/2	3,8	15,4	1820.00
PUD-1301E	SA	SOLENOID 3/2	3,8	17,5	2345.00
PUJ-1401E	DA	MANUAL 4/3	3,8	18,6	2226.00

\* SA = single-acting; DA = double-acting  
 \*\* Electric dump valve for auto-retract of cylinders

## Air Driven Hydraulic Pumps

- Ergonomic design for less operator fatigue
- Variable oil flow & fine metering for precise control
- Closed hydraulic system allows pump usage in any position and prevents contamination
- Pedal lock function for retract position



### AX-series, Foot Pumps

	For use with Cylinder	Valve Type	Oil Flow	Oil Capacity cm <sup>3</sup>	kg	£
0 bar   700 bar						
XA11	SA	2,0   0,25 3/3	1,0	8,6	605.00	
XA12	SA	2,0   0,25 3/3	2,0	10,2	664.00	
XA11G*	SA	2,0   0,25 3/3	1,0	8,8	750.00	
XA12G*	SA	2,0   0,25 3/3	2,0	10,4	808.00	
XA12VG*	DA	2,0   0,25 4/3	2,0	11,9	1146.00	

\* With integrated pressure gauge



## PRODUCTS

- NEXT DAY DELIVERY ON ALL STOCKED ENERPAC PRODUCTS
- COMPREHENSIVE RANGE OF CYLINDERS, TOOLS, PUMPS, BOLTING TOOLS & SYSTEM ACCESSORIES HELD IN STOCK

## REPAIRS

- 2-3 DAYS ON ENERPAC PRODUCT REPAIRS SUBJECT TO SPARES AVAILABILITY
- COLLECTION & DELIVERY SERVICE AVAILABLE ON ALL ENERPAC REPAIRS
- TEST CERTIFICATION & A 3 MONTH WARRANTY SUPPLIED ON ALL REPAIRS
- REPAIRS CARRIED OUT BY HYDRAQUIP'S TRAINED SERVICE TECHNICIANS



# Enerpac Industrial Tools

## Pullers

- Patented "Safety Cage" jaw retention system
- Available in 2- and 3-jaw design as well as inside and outside pulling configuration
- EP H-1003E: hydraulically actuated lift cylinder on cart extends puller from ground to a height of 1.7 metres



### Posi Lock® Pullers

	Capacity kN	Max. Spread mm	Max. Reach mm	Operation	kg	£
EP-106	89	12-178	152	MANUAL	3,6	224.00
EP-108	151	19-304	203	MANUAL	3,6	264.00
EP-110	178	25-381	245	MANUAL	7,3	289.00
EPHR-110	142	25-381	245	HYDRAULIC	23	2003.00
EPHR-113	232	63-457	304	HYDRAULIC	48	3073.00
EPHR-116	498	76-635	355	HYDRAULIC	91	4730.00

## Pipe Benders

- Quick, safe and wrinkle-free bending
- Set includes pump, cylinder, hose, bender frame, bending shoes and bending angle indicator
- Pipe range 1/2 - 4 inch nominal size
- All sets include sturdy steel storage case
- Eject-O-Matic™ bender (STB-202E) with double-acting cylinder to eject pipe from the bending shoe



### Quick, Safe & Wrinkle-Free Bending

	Pipe Range nominal size (inch)	Cylinder Number	Pump Model	kg	£
	one shot   sweep				
STB-101N	1/2 - 2   -	RC-1010	-	48	2303.00
STB-101H	1/2 - 2   -	RC-1010	P-392	52	2664.00
STB-221H	1 - 2   - 21/2-4	RC-1010	P-80	130	4479.00
STB-202E	1/14 - 4   -	RC-3014	ZU4408SE	212	11228.00

\* H with hand pump; E with electric pump

## Pullers Sets

- Set comes with pump, hose, cylinder, gauge, adaptor and case
- Includes also: grip puller, cross bearing puller, bearing cup and bearing puller attachment
- Quick set-up for a variety of jobs



### Multi Purpose Puller Sets

	Capacity kN	Grip Pullers (mm)	Cross Bearing (mm)	Bearing Cup (mm)	kg	£
	(kN)	R   S	R   S	R   S	(kg)	
BHP-1752	71	252   249	462   266	110   110	37	2337.00
BHP-2751G	178	300   499	571   351	140   220	90	3272.00
BHP-3751G	267	367   800	711   454	145   359	172	5083.00
BHP-5751G	445	700   1100	863   570	145   359	298	8245.00

\* R = max. reach in mm, S = max. spread in mm

## Maintenance Sets

- Power to push, pull, lift, press, straighten, spread and clamp
- Sets include lightweight hand pump, 1.8 m hose, cylinder(s), gauge and adaptor
- Numerous attachments permit quick configuration of specialised tools
- Complete sets for almost every maintenance application



### The Universal Hydraulic Tool Box

	Capacity kN	No. Of Attachments	Single Acting Cylinder	kg	£
MS2-4	22	35	RC-55	26	3346.00
MSFP-5	22	24	RC-55	20	2457.00
MSFP-10	50	22	RC-106	48	2250.00
MS2-10	50	40	RC-106	63	3412.00
MS2-20	116	19	RC-256	95	3603.00
MS2-1020	50-116	59	RC-102,106,256	58	6743.00







## Enerpac Industrial Tools

### Hydraulic Punch

- Single-acting, spring return
- Punches mild steel up to 12.7 mm thickness
- Durable steel case for carrying and storage
- Round, oblong and square punches and dies available
- Available as Tool-Pump Sets:  
 MSP -351PE with MSP -351 hydraulic punch, PUD-1100E electric pump and HC-7206 hose or SP -35SPE with SP -35S hydraulic punch, PUD-1100E electric pump and HC-7206 hose



#### Much Faster Than Drilling

	Capacity kN	Sizes Of Round Punch & Die Set Included		
MSP-351	311	MM 9,5 11,5 13,5 17,5 21		2500.00
SP-35S	311	INCH 0.44 0.56 0.69 0.81 18		2500.00










### Hydraulic Cutters

- WMC-Series, self-contained cutters
- Guillotine action for easy operation
  - Rotating head for operator convenience
  - Spring return for easy operation

- WHC-Series, Cutterheads
- Can be used with most Enerpac 700 bar pumps with 3-way or dump valve
  - Guillotine action for easy operation



#### WMC-Series, Self Contained & WHC-Series Cutters

	Capacity kN	Max Cutting Capacity** (Ø mm)	bolt wire   cable	(kg)		
WMC-750	40	17   17	19   17	3,6		1544.00
WMC-1250	195	28   31	31   31	10,4		2716.00
WMC-2000	127	31   22	50   50	10,9		2861.00
WHC-750	40	19   19	19   -	3,2		1143.00
WHC-1250	195	28   28	31   -	11,3		2370.00
WHC-2000	127	31   22	50   50	10,4		2370.00
WHC-3380	30	-   -	42   85	9,1		1908.00

\* Recommended pump: P-392 hand pump



\*\* Contact Enerpac for details

### Presses

- Height adjustment of upper or lower bed with winch (XLP 50 and 75 ton)
- Width adjustment allows cylinder to move from side-to-side
- Pump options include XA-Series air-operated foot pump: suitable for delicate pressing jobs from variable oil flow



#### Bench & Workshop Presses

	Capacity kN	Max Day Light (mm)	Pump Type	To Suit Stroke		
VLP-106P142	101	430   432	MANUAL	156	49	660.00
XLP-256P392	232	1225   510	MANUAL	158	165	1364.00
XLP-256XA11G	232	1225   510	AIR	158	170	1571.00
XLP-506P802	498	993   990	MANUAL	159	595	3932.00
XLP-506XA12G	498	993   990	AIR	159	600	3932.00
XLP-5013ZES	498	993   990	ELECTRIC	334	700	6589.00
XLP-756XA12G	718	989   990	AIR	156	900	5170.00
VLP-10013ZES	933	989   990	ELECTRIC	333	993	7350.00



\* with RR-series double-acting cylinder

### Wedgie & Spread Cylinders

- WR-5: for use in very confined areas
- WR-15: for long stroke spreading applications
- A-92: spreader attachment; threads on RC-Series 10 ton cylinders (except RC-101)
- Maximum operating pressure 700 bar



#### Single Acting, Spring Return

	Capacity kN	Tip Clearance (mm)	Max. Spread mm	Oil Capacity cm <sup>3</sup>		
WR-5	8,9	12,8	94	10,0	2,3	219.00
WR-15	6,0	32,0	292	64,1	11,3	657.00
A-92	8,9	35,0	158	-	3,6	202.00

## Enerpac System Accessories

### Hoses, Couplers & Oil

- Thermoplastic hoses, 2800 bar burst pressure
- 700 bar high flow coupler, 3/8"-18 NP TF, 17 l/min maximum oil flow
- HF-premium hydraulic oil: prevents pump cavitation, additives prevent rust, oxidation and sludge



#### Hoses, Couplers & Oil



H-7206	HOSE LENGTH 1,8M, 3/8" NPTF	68.00
H-7210	HOSE LENGTH 3,0M, 3/8" NPTF	90.00
H-7220	HOSE LENGTH 6,1M, 3/8" NPTF	132.00
HC-7206	HOSE LENGTH 1,8M 3/8" INCLUDES CH-604	90.00
HC-7210	HOSE LENGTH 3,0M, 3/8" INCLUDES CH-604	112.00
C-604	3/8" HIGH FLOW COUPLER COMPLETE	55.00
CR-400	3/8" FEMALE HALF HIGH FLOW COUPLER	32.76
CH-604	3/8" MALE HALF FLOW COUPLER	21.53
HF-95X	PREMIUM HYDRAULIC OIL, 1 LITRE	16.63
HF-95Y	PREMIUM HYDRAULIC OIL, 5 LITRES	63.00

### Gauges & Adaptors

#### DIGITAL GAUGE (DGR)

- Displays high pressure in bar, psi and MPa;
- Displays low pressure in kPa, hPa and mbar.

#### GLYCERINE FILLED PRESSURE GAUGES (G)

- All pressure sensing parts sealed and dampened by glycerine.

#### GAUGE ADAPTORS (GA)

- For easy mounting of a gauge onto your system



### Control Valves & Manifolds

	Connection	Gauge Ø (mm)	Scale Reading Ø	£
DGR-2	1/4" NPTF VERTICAL	70	0-1380	514.00
GP-10S	1/2" NPTF VERTICAL	100	0-700	123.00
GP-15S	1/2" NPTF VERTICAL	100	0-1000	123.00
G2535L	1/2" NPTF VERTICAL	63	0-700	67.00
G4039L	1/2" NPTF VERTICAL	100	0-700	157.00
G4040L	1/2" NPTF VERTICAL	100	0-1000	157.00
GA-2*	1/2" & 3/8" NPTF	155*	-	43.00
GA-3*	1/4" & 3/8" NPTF	133*	-	43.00

\* Gauge adaptor length

### Control Valves & Manifolds

- 700 bar maximum operating pressure
- NP TF porting to ensure against leakage
- All valves and manifolds are painted, coated or plated for corrosion resistance
- Manifolds for multiple hydraulic line connections at one central location



#### Control Valves & Manifolds



V-82	NEEDLE VALVE 3/8", TO CONTROL CYLINDER SPEED	97.00
V-91	SNUBBER VALVE 1/2", OR GAUGE SHUT OFF VALVE	87.00
V-42	PILOT OPERATED CHECK VALVE 3/8"	242.00
V-66	MANUAL OPERATED CHECK VALVE 3/8", LOAD HOLDING	174.00
V-66F	MANUAL OPERATED CHECK VALVE 3/8"	311.00
V-152	PRESSURE RELIEF VALVE 3/8"	240.00
V-161	SEQUENCE VALVE 3/8"	268.00
A-65	MANIFOLD, 7 PORTS 3/8"-18 NPTF	130.00
AM-21	CONTROL MANIFOLD*, 5 PORTS 3/8"-18 NPTF	318.00
AM-41	CONTROL MANIFOLD*, 7 PORTS 3/8"-18 NPTF	614.00

\* AM-Series manifolds to control two or four single acting cylinders simultaneously

## ENERPAC HYDRAULIC MANIFOLDS & FITTINGS

PRICES AVAILABLE ON REQUEST



Authorised

**ENERPAC**

Distributor





# Enerpac Bolting Tools

## Flange Maintenance Tools

- Integrated wedge concept: Friction-free, smooth parallel wedge movement eliminates flange damage and spreading arm failure
- Lightweight, easy to use, one person operation
- Unique interlocking wedge design - no first step bending and risk of slipping out of joint
- FSM-8 mechanical version
- Available as complete set S TF-14H including P-392 hand pump, hose, coupler, gauge and adaptor



### Parallel Wedge Spreaders

	Max Spreading Force	Tip Clearance (mm)	Max. Spread mm	Oil Capacity cm <sup>3</sup>		
FSM-8	72	6	80	-	6,5	1646.00
FSH-14	125	6	80	78	7,1	1867.00

1) using optional stepped block FSB-1



## Hydraulic Nut Splitters

- NC-series NUT CUTTERS
- Compact, ergonomic, lightweight design
  - Unique angled head design

- NS -series NUT SPLITTERS
- Designed to suit ANSI B16.5/BS1560 flanges
  - Interchangeable heads provide maximum nut range flexibility



### Nut Splitters

	Capacity kN	Bolt Range	Hex. Nut Range	Oil Capacity cm <sup>3</sup>		
NC-1924	98	M12-M16	19-24	20	2,0	1231.00
NC-2432	147	M16-M22	24-32	60	3,0	1519.00
NC-3241	196	M22-M27	32-41	80	4,4	1901.00
NC-4150	343	M27-M33	41-50	155	8,2	2474.00
NC-5060	490	M33-M39	50-60	240	11,8	3595.00
NC-6075	882	M39-M48	60-75	492	34,1	5341.00
NS-7085	917	M45-M56	70-85	377	37,0	12263.00
NS-70105	917	M45-M72	70-105	377	39,5	13490.00
NS-70130	917	M76-M90	110-130	819	71,5	POA



\* Single-acting, spring return

## Hydraulic Flange Spreaders

- Lightweight and ergonomic design
- Adjustable jaw widths from 70 to 216 mm
- Standard wedge size 3-28 mm
- Single-acting, spring return
- 700 bar maximum operating pressure
- Available as sets (STF-56H and STF-109H) including tool, P-392 hand pump, hose, coupler, gauge and adaptor



### Pin Type Flange Spreaders

	Capacity kN	Max Flange Thickness	Stud Size	To Suit Stroke		
FS-56	45	2 X 57	19 - 28	38	11,5	2073.00
FS-109	101	2 X 92	31 - 41	54	18,1	2614.00

## ENERPAC HYDRAULIC TORQUE WRENCHES

PRICES AVAILABLE ON REQUEST



# TANGYE

## Hydraulic Jacks & Pumps

### The Leading Lifting Equipment Specialist

Tangye's lightweight aluminium jacks and pumps have been at the forefront of supplying self contained jacking systems since 1856, supplying a hydraulic jacking and lifting solution for all maintenance applications. Tangye's hydraulic jacks as well as hydralite, hydraclaw and hydramite jacks are suitable for a variety of applications from supporting bridges to lifting the nose end of F16 fighter planes.



Lightweight jacks designed to lift, lower, manoeuvre and position heavy loads with maximum safety.



# Tangye Hydra Range of Jacks & Pumps



## Hydralite Jacks

- Tangye's range of lightweight aluminium and steel jacks and pumps
- Capacities from 6.5 tonne to 100 tonne



### 6" Plain Ram Hydralite Jacks

	Ram Capacity	Closed Height	Stroke	£
PS620	20	263	152	727.00
PS630	30	263	152	823.00
PS660	60	293	152	1299.00



### 6" Screwed Ram Hydralite Jacks

	Ram Capacity	Closed Height	Stroke	£
PS620S	20	269	152	932.00
PS630S	30	292	152	1146.00
PS660S	60	330	152	1732.00



### 6" Claw / Toe Hydralite Jacks

	Ram Capacity	Closed Height	Stroke	£
PS620C	20	276	152	913.00
PS630C	30	281	152	1082.00
PS660C	60	327	152	1569.00



### 12" Plain Ram Hydralite Jacks

	Ram Capacity	Closed Height	Stroke	£
PS1220	20	438	305	972.00
PS1230	30	451	305	1261.00
PS1260	60	500	305	1593.00



### 12" Screwed Ram Hydralite Jacks

	Ram Capacity	Closed Height	Stroke	£
PS1220S	20	464	305	1182.00
PS1230S	30	479	305	1498.00
PS1260S	60	536	305	2142.00



### 12" Claw / Toe Hydralite Jacks

	Ram Capacity	Closed Height	Stroke	£
PS1220C	20	452	305	1147.00
PS1230C	30	470	305	1469.00
PS1260C	60	533	305	2001.00



### 6" Plain & Screwed Ram - 100 Tonne, Hydralite Jacks

	Ram Capacity	Closed Height	Stroke	£
PS6100	100	313	152	2385.00
PS6100S	100	357	152	2813.00

## Hydraclaw Jack



### Hydraclaw Jack

	Ram Capacity	Closed Height	Stroke	£
P501W	5	325	178	792.00

## Hydramite Jacks



### Hydramite Jacks

	Ram Capacity	Closed Height	Stroke	£
8104H	6.5	140	75	339.00
1105002	10	182	75	463.00
1105003	15	230	75	587.00

## Hydrapak Pumps

- Optional pressure relief valves, pressure gauges, double acting valves can all be mounted on various size reservoirs
- Lightweight two speed aluminium pump
- 6 pressure ratings from 110 bar to 700 bar
- Certificates of conformity are supplied with goods



### Hydrapak Pumps - Basic Unit

	Max Pressure	£
PHO6000	1600 psi	1047.00
PHO5000	2500 psi	1047.00
PHO4000	4500 psi	1047.00
PHO3000	6500 psi	1047.00
PHO2000	8000 psi	1047.00
PHO1000	10000 psi	1047.00

# Lifting Tackle

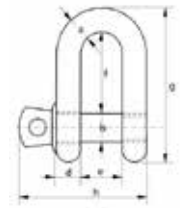
## Green Pin® Standard Dee Shackles With Screw Collar Pin

- Material : bow and pin high tensile steel, Grade 6, quenched and tempered
- Safety Factor : MBL equals 6 x WLL
- Standard : EN 13889 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVB Class 2, Grade A
- Finish : hot dipped galvanised
- Temperature Range : -20°C up to +200°C
- Certificates : as standard a works certificate is supplied, also upon request a certificate of basic raw material, manufacturer test certificate and/or EC declaration of conformity



### Green Pin Dee Shackles

	tons	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	kg	£
SHGD030	0.33	5	6	12	5	9.5	19	33	29.5	0.02	4.17
SHGD050	0.5	7	8	16.5	7	12	22	41.5	38	0.05	4.50
SHGD075	0.75	9	10	20	9	13.5	26	50	46.5	0.09	4.67
SHGD100	1	10	11	22.5	10	17	32	59	54	0.14	5.07
SHGD150	1.5	11	13	26.5	11	19	37	68	59.5	0.19	6.33
SHGD200	2	13.5	16	34	13	22	43	81	73	0.32	8.07
SHGD325	3.25	16	19	40	16	27	51	97	89	0.54	10.60
SHGD475	4.75	19	22	46	19	31	59	112	103	0.87	14.50
SHGD650	6.5	22	25	52	22	36	73	134	119	1.34	19.97
SHGD850	8.5	25	28	59	25	43	85	154	137	2.08	27.30
SHGD950	9.5	28	32	66	28	47	90	167	153	2.77	41.20
SHGD1200	12	32	35	72	32	51	94	180	170	3.72	56.97
SHGD1350	13.5	35	38	80	35	57	115	209	186	5.14	78.47
SHGD1700	17	38	42	88	38	60	127	230	203	6.85	101.40
SHGD2500	25	45	50	103	45	74	149	271	243	11.45	167.33
SHGD3500	35	50	57	111	50	83	171	305	272	16.86	234.30
SHGD4250	42.5	57	65	130	57	95	190	345	310	24.61	417.13
SHGD5500	55	65	70	145	65	105	203	376	344	32.65	476.27



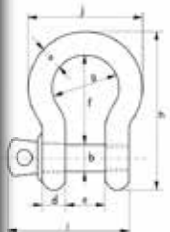
## Green Pin® Standard Bow Shackles With Screw Collar Pin

- Material : bow and pin high tensile steel, Grade 6, quenched and tempered
- Safety Factor : MBL equals 6 x WLL
- Standard : EN 13889 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 2, Grade A
- Finish : hot dipped galvanised
- Temperature Range : -20°C up to +200°C
- Certificates : as standard a works certificate is supplied, also upon request a certificate of basic raw material, manufacturer test certificate and/or EC declaration of conformity



### Green Pin Bow Shackles

	tons	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	kg	£
SHGB030	0.33	5	6	12	5	9.5	22	16	36	29.5	26	0.02	4.03
SHGB050	0.5	7	8	16.5	7	12	29	20	48.5	38	34	0.05	4.03
SHGB075	0.75	9	10	20	9	13.5	32	22	56	46.5	40	0.10	4.33
SHGB100	1	10	11	22.5	10	17	36.5	26	63.5	54	46	0.14	4.87
SHGB150	1.5	11	13	26.5	11	19	43	29	74	59.5	51	0.19	6.10
SHGB200	2	13.5	16	34	13	22	51	32	89	73	58	0.36	7.80
SHGB325	3.25	16	19	40	16	27	64	43	110	89	75	0.63	10.27
SHGB475	4.75	19	22	46	19	31	76	51	129	103	89	1.01	13.97
SHGB650	6.5	22	25	52	22	36	83	58	144	119	102	1.50	19.30
SHGB850	8.5	25	28	59	25	43	95	68	164	137	118	2.21	26.37
SHGB950	9.5	28	32	66	28	47	108	75	185	153	131	3.16	39.80
SHGB1200	12	32	35	72	32	51	115	83	201	170	147	4.31	55.03
SHGB1350	13.5	35	38	80	35	57	133	92	227	186	162	5.55	70.07
SHGB1700	17	38	42	88	38	60	146	99	249	203	175	7.43	97.87
SHGB2500	25	45	50	103	45	74	178	126	300	243	216	12.84	161.60
SHGB3500	35	50	57	111	50	83	197	138	331	272	28	18.15	226.27
SHGB4250	42.5	57	65	130	57	95	222	160	377	310	274	26.29	402.80
SHGB5500	55	65	70	145	65	105	260	185	433	344	310	37.60	459.93





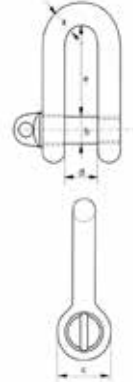
# Lifting Tackle

## Dee Shackles With Type A Screw Collar Pin

- Material : bow and pin high tensile steel
- Safety Factor : MBL equals 5 x WLL
- Standard : generally Small Shackles to B.S. 3032 table 1 - 1958 & Large Shackles to B.S. 3032 table 2 - 1958
- Finish : self colour
- Certificates : as standard a works certificate is supplied, also available upon request a certificate of basic raw material and/or an EC declaration of conformity

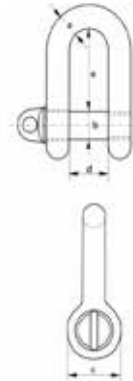
### Small Dee Shackles

	tons	a inch	b inch	c inch	d inch	e inch	kg	£
SHSD060	0.60	3/8	1/2	1	5/8	1.3/8	0.15	2.67
SHSD100	1.00	1/2	5/8	1.1/4	7/8	1.7/8	0.33	3.93
SHSD175	1.75	5/8	3/4	1.1/2	1	2.1/4	0.61	6.43
SHSD250	2.50	3/4	7/8	1.3/4	1.1/4	2.3/4	0.93	10.60
SHSD350	3.50	7/8	1	2	1.3/8	3.1/4	1.50	13.63
SHSD450	4.50	1	1.1/8	2.1/4	1.1/2	3.5/8	2.15	18.20
SHSD550	5.50	1.1/8	1.1/4	2.1/2	1.3/4	4.1/8	3.02	26.93
SHSD700	7.00	1.1/4	1.3/8	2.3/4	1.7/8	4.1/2	4.20	42.57
SHSD800	8.00	1.3/8	1.1/2	3	2.1/2	5	5.34	54.53
SHSD1075	10.75	1.1/2	1.3/4	3.1/2	2.3/8	5.1/2	8.36	68.07



### Large Dee Shackles

	tons	a inch	b inch	c inch	d inch	e inch	kg	£
SHLD025	0.25	1/4	3/8	3/4	1/2	1	0.6	2.33
SHLD050	0.50	3/8	1/2	1	3/4	1.1/2	0.16	2.57
SHLD075	0.75	1/2	5/8	1.1/4	1.1/8	2.1/8	0.35	3.77
SHLD150	1.50	5/8	3/4	1.1/2	1.1/4	2.1/2	0.63	6.03
SHLD200	2.00	3/4	7/8	1.3/4	1.1/2	2.7/8	1.00	10.40
SHLD300	3.00	7/8	1	2	1.3/4	3.1/4	1.54	13.47
SHLD375	3.75	1	1.1/8	2.1/4	2	3.3/4	2.21	17.37
SHLD500	5.00	1.1/8	1.1/4	2.1/2	2.1/8	4.1/8	3.11	26.17
SHLD600	6.00	1.1/4	1.3/8	2.3/4	2.3/8	4.1/2	4.33	42.00
SHLD700	7.00	1.3/8	1.1/2	3	2.5/8	5	5.33	52.97
SHLD950	9.50	1.1/2	1.3/4	3.1/2	2.3/4	5.3/8	8.46	67.03

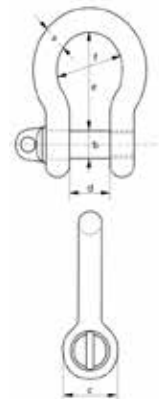


## Bow Shackles With Type A Screw Collar Pin

- Material : body and pin high tensile steel
- Safety Factor : MBL equals 5 x WLL
- Standard : generally to B.S. 3032 table 4 - 1958 & Large Bow Shackles to B.S. 3032 table 3 - 1958
- Finish : self colour
- Certificates : as standard a works certificate is supplied, also upon request a certificate of basic raw material and/or an EC declaration of conformity

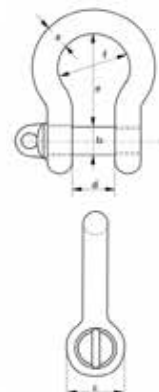
### Small Bow Shackles

	tons	a inch	b inch	c inch	d inch	e inch	f inch	kg	£
SHSB050	0.50	3/8	1/2	1	5/8	1.1/2	7/8	0.18	2.93
SHSB100	1.00	1/2	5/8	1.1/4	7/8	2	1.1/8	0.34	4.27
SHSB150	1.50	5/8	3/4	1.1/2	1.1/8	2.1/2	1.1/2	0.62	6.67
SHSB200	2.00	3/4	7/8	1.3/4	1.3/8	3	1.3/4	1.05	11.60
SHSB300	3.00	7/8	1	2	1.1/2	3.1/2	2	1.63	15.53
SHSB400	4.00	1	1.1/8	2.1/4	1.3/4	4	2.3/8	2.28	19.00
SHSB500	5.00	1.1/8	1.1/4	2.1/2	2	4.1/2	2.5/8	3.20	27.53
SHSB625	6.25	1.1/4	1.3/8	2.3/4	2.1/4	5	3	4.54	45.17
SHSB750	7.50	1.3/8	1.1/2	3	2.3/8	5.1/2	3.1/4	5.74	57.90
SHSB925	9.25	1.1/2	1.3/4	3.1/2	2.5/8	6	3.1/2	8.51	75.10



### Large Bow Shackles

	tons	a inch	b inch	c inch	d inch	e inch	f inch	kg	£
SHLB015	0.15	1/4	3/8	3/4	1/2	1.1/8	3/4	0.08	2.60
SHLB045	0.45	3/8	1/2	1	5/8	1.5/8	1	0.18	3.00
SHLB075	0.75	1/2	5/8	1.1/4	7/8	2.1/8	1.1/4	0.34	4.27
SHLB125	1.25	5/8	3/4	1.1/2	1.1/8	2.3/4	1.5/8	0.65	6.67
SHLB200	2.00	3/4	7/8	1.3/4	1.3/8	3.3/8	2	1.08	11.57
SHLB275	2.75	7/8	1	2	1.5/8	3.7/8	2.1/4	1.80	15.53
SHLB375	3.75	1	1.1/8	2.1/4	1.3/4	4.1/4	2.1/2	2.46	19.00
SHLB475	4.75	1.1/8	1.1/4	2.1/2	2	4.7/8	2.7/8	3.47	27.53
SHLB575	5.75	1.1/4	1.3/8	2.3/4	2.1/4	5.3/8	3.1/4	4.56	45.17
SHLB725	7.25	1.3/8	1.1/2	3	2.1/2	6	3.1/2	6.07	57.90
SHLB850	8.50	1.1/2	1.3/4	3.1/2	2.3/4	6.5/8	3.7/8	8.35	75.10



# Chain Slings

## Grade 80 Chain Slings & Components



• Swivel Self Locking Hook



• Grab Hook Extra For Shortening



• Sling Hook c/w Safety Catch



• Self Locking Hook

### 7 Diameter Chain Slings



Sling Type	WWL 0'-45' Tonnes	Sling Hook c/w Safety Catch	Self Locking Hook	Swivel Self Locking Hook	Extra For Shortening	Extra Per Mtr
Single Leg	1.5	41.50	60.96	87.60	5.28	<b>6.84</b>
Double Leg	2.12	77.42	116.36	159.30	10.54	<b>13.68</b>
Three Leg	3.15	130.76	197.12	253.46	16.90	<b>23.10</b>
Four Leg	3.15	162.64	239.70	298.96	21.06	<b>27.34</b>

### 13 Diameter Chain Slings



Sling Type	WWL 0'-45' Tonnes	Sling Hook c/w Safety Catch	Self Locking Hook	Swivel Self Locking Hook	Extra For Shortening	Extra Per Mtr
Single Leg	5.3	97.72	131.48	181.74	16.90	<b>16.54</b>
Double Leg	7.5	191.32	257.30	341.50	33.82	<b>33.08</b>
Three Leg	11.2	319.96	418.88	543.30	53.90	<b>53.90</b>
Four Leg	11.2	399.70	577.06	725.78	73.50	<b>74.06</b>

### 8 Diameter Chain Slings



Sling Type	WWL 0'-45' Tonnes	Sling Hook c/w Safety Catch	Self Locking Hook	Swivel Self Locking Hook	Extra For Shortening	Extra Per Mtr
Single Leg	2	42.44	61.88	93.74	5.28	<b>7.70</b>
Double Leg	2.8	91.84	130.78	171.06	10.54	<b>15.48</b>
Three Leg	4.25	148.36	206.76	252.28	15.80	<b>25.78</b>
Four Leg	4.25	190.78	268.60	328.84	21.06	<b>30.80</b>

### 16 Diameter Chain Slings



Sling Type	WWL 0'-45' Tonnes	Sling Hook c/w Safety Catch	Self Locking Hook	Swivel Self Locking Hook	Extra For Shortening	Extra Per Mtr
Single Leg	8	149.04	190.10	298.88	25.68	<b>28.14</b>
Double Leg	11.2	298.84	380.94	470.56	51.40	<b>56.28</b>
Three Leg	17	517.68	640.92	768.22	79.10	<b>88.40</b>
Four Leg	17	649.46	813.80	983.46	102.82	<b>112.54</b>

### 10 Diameter Chain Slings



Sling Type	WWL 0'-45' Tonnes	Sling Hook c/w Safety Catch	Self Locking Hook	Swivel Self Locking Hook	Extra For Shortening	Extra Per Mtr
Single Leg	3.15	59.22	86.22	127.28	8.96	<b>9.78</b>
Double Leg	4.25	115.20	168.88	230.44	17.94	<b>19.58</b>
Three Leg	6.7	187.96	268.28	351.54	25.96	<b>31.96</b>
Four Leg	6.7	239.70	347.24	451.44	35.84	<b>39.04</b>

\* Prices stated are for 1mtr effective working lengths

\* For longer drops see 'Extra Per Mtr' Column

\* All components are available separately





# Slings

## Polyester Round Slings

- Material: Polyester
- Standard SWL: 1,000kg up to 12,000kg - Colour coded
- Heavy duty SWL: 12t up to 100t - Colour coded
- Circ: Up to 40mtrs
- Factor of Safety: 7:1
- Certificates of conformity are supplied with goods



### 1 Tonne Polyester Round Sling

	E.W.L	£
PRS1T1M	1m	6.07
PRS1T2M	2m	9.83
PRS1T3M	3m	13.17
PRS1T4M	4m	16.52
PRS1T5M	5m	19.86
PRS1T6M	6m	23.21

### 2 Tonne Polyester Round Sling

	E.W.L	£
PRS2T1M	1m	7.73
PRS2T2M	2m	12.75
PRS2T3M	3m	17.77
PRS2T4M	4m	22.79
PRS2T5M	5m	27.81
PRS2T6M	6m	32.82

### 3 Tonne Polyester Round Sling

	E.W.L	£
PRS3T1M	1m	9.26
PRS3T2M	2m	15.43
PRS3T3M	3m	21.60
PRS3T4M	4m	27.77
PRS3T5M	5m	33.94
PRS3T6M	6m	40.12

## Duplex Flat Webbing Slings

- Material: Polyester
- Factor of safety: 7:1
- Wear Sleeves available to protect from sharp objects and wear in either webbing or polyurethane
- Certificates of conformity are supplied with goods



### 1 Tonne Duplex Web Sling

	E.W.L	£
DWS1T1M	1m	5.79
DWS1T2M	2m	8.55
DWS1T3M	3m	11.66
DWS1T4M	4m	15.16
DWS1T5M	5m	18.27
DWS1T6M	6m	19.44
DWS1T7M	7m	23.72
DWS1T8M	8m	27.99
DWS1T9M	9m	32.27
DWS1T10M	10m	36.55

### 2 Tonne Duplex Web Sling

	E.W.L	£
DWS2T1M	1m	8.71
DWS2T2M	2m	13.46
DWS2T3M	3m	19.01
DWS2T4M	4m	24.55
DWS2T5M	5m	30.10
DWS2T6M	6m	35.24
DWS2T7M	7m	41.58
DWS2T8M	8m	48.31
DWS2T9M	9m	53.86
DWS2T10M	10m	59.00

### 3 Tonne Duplex Web Sling

	E.W.L	£
DWS3T1M	1m	10.89
DWS3T2M	2m	17.88
DWS3T3M	3m	25.66
DWS3T4M	4m	33.05
DWS3T5M	5m	40.05
DWS3T6M	6m	48.99
DWS3T7M	7m	55.21
DWS3T8M	8m	61.82
DWS3T9M	9m	69.19
DWS3T10M	10m	77.37

Slings available up to 20 tonne W.L.L\*  
Available up to 20mtrs E.W.L\*\*

## Sling Colour Chart in Tonnes



\* Working Load Limit  
\*\* Effective Working Length



# Aeroquip

Hydraquip Hose & Hydraulics offer a comprehensive range of Eaton Aeroquip products:

- Hydraulic hose and fittings
- Thermoplastic hose and fittings
- A/C hose and connectors
- Brass, Steel, Stainless Steel Adapters
- Quick Disconnect Couplings
- Swivel Joints

Eaton's Aeroquip range proves a popular choice when only the highest level of quality has been specified. Aeroquip's hose, fittings and adaptors are suitable for higher working pressures, temperatures, durability and a longer life expectancy in comparison to a like for like competitors products. With many Aeroquip products proven to exceed the expected life cycle of the product.

As the range is so diverse, the Eaton Aeroquip hose and fittings range lends itself to numerous specialist markets; Aerospace (EPDM Hoses for Skydrol Applications), Oil & Gas (LPG Hoses), Automotive, Industrial, Rail, Engine Manufacturers, Air Conditioning and Test & Measurement Equipment.





# Hydraulic Hose

## GH663 1SN

- EN853.
  - SAE 100R1AT.
  - DIN 20022/3 - 1SN
- Temperature:  
-40°C to +100°C  
Maximum Temp = 125°C  
Air\* max temp = +70°C

Application:  
Hydraulic systems with petroleum and water-glycol base fluids, for fuel and lubricating oils, air\* and water.

For use with Global TTC fittings.  
\*Rubber covered hose styles for use with gases above 17.5 bar (250 psi) must be perforated.

Construction:  
Synthetic NBR rubber tube, 1-wire braid reinforcement, Synth. CR rubber cover.



### Per Metre

0235	ID	OD mm	bar	£
GH663-4	1/4"	13.4	225	6.20
GH663-5	5/16"	15	225	6.80
GH663-6	3/8"	17.4	210	6.80
GH663-8	1/2"	20.6	175	8.15
GH663-10	5/8"	23.7	140	9.70
GH663-12	3/4"	27.7	125	10.85
GH663-16	1"	35.6	90	14.85
GH663-20	1.1/4"	43.5	65	20.70
GH663-24	1.1/2"	50.6	50	34.75
GH663-32	2"	64	40	44.10

## GH793 2SN

- EN853.
  - SAE 100R2AT.
  - DIN 20022/3 - 2SN
- Temperature:  
-40°C to +100°C  
Maximum Temp = 125°C  
Air\* max temp = +70°C

Application:  
High pressure hydraulic systems with petroleum and water-glycol base fluids, for fuel and lubricating oils, air\* and water.

For use with Global TTC fittings.  
\*Rubber covered hose styles for use with gases above 17.5 bar (250 psi) must be perforated.

Construction:  
Synth. NBR rubber tube, 2-wire braid reinforcement, synth. CR rubber cover.



### Per Metre

0235	ID	OD mm	bar	£
GH793-4	1/4"	15	400	7.50
GH793-6	3/8"	19	345	8.75
GH793-8	1/2"	22.2	295	9.80
GH793-10	5/8"	25.4	250	12.00
GH793-12	3/4"	29.3	215	13.60
GH793-16	1"	38.1	175	20.70
GH793-20	1.1/4"	48.3	155	39.90
GH793-24	1.1/2"	54.6	125	47.65
GH793-32	2"	67.3	90	55.50

## GH781 2SC

- EN853.
  - SAE100R2AT.
  - DIN 20022/3 - 2SN.
  - 1/2 SAE Bend Radius.
- Temperature:  
-40°C to +100°C  
Maximum Temp = 125°C  
Air\* max temp = +70°C

Application:  
High pressure hydraulic systems with petroleum and water-glycol base fluids, for fuel and lubricating oils, air\* and water.

For use with Global TTC fittings.

\*Rubber covered hose styles for use with gases above 17.5 bar (250 psi) must be perforated.

Construction:  
Synth. NBR rubber tube, 2-wire braid reinforcement, synth. CR rubber cover.



### Per Metre

0235	ID	OD mm	bar	£
GH781-4	1/4"	15.5	400	7.70
GH781-5	5/16"	15	350	8.80
GH781-6	3/8"	17.4	345	8.45
GH781-8	1/2"	20.5	295	9.40
GH781-10	5/8"	23.7	250	10.65
GH781-12	3/4"	27.4	215	12.30
GH781-16	1"	35.6	175	18.50
GH781-20	1.1/4"	43.3	155	29.50
GH781-24	1.1/2"	51.6	125	88.60

## 2755B

- EN856.
- Temperature:  
-40°C to +100°C  
Maximum Temp = 120°C

Application:  
High pressure hydraulic systems with petroleum.

For use with Spiral Skive fittings.

Construction:  
Synth. NBR rubber tube, 4-spiral wire reinforcement, synth. Rubber EPDM and polyurethane cover.



### Per Metre

0235	ID	OD mm	bar	£
2755B-6	3/8"	21.4	490	26.40
2755B-8	1/2"	24.6	420	28.70
2755B-10	5/8"	28.2	400	32.35
2755B-12	3/4"	32.2	380	38.60
2755B-16	1"	39.7	320	45.85



## GH194 AQP

- EN853 Type 1SN.
  - SAE100R1AT.
- Temperature:  
-40°C to +150°C

Application:  
Hydraulic system service with petroleum, fire-resistant and water-base fluids, fuel and lubricating systems.

For use with Global TTC fittings.

Construction:  
AQP elastomer tube, reinforcement single wire braid, blue AQP cover with silver layline.



### Per Metre

0235	ID	OD mm	bar	£
GH194-6	3/8"	17.5	210	28.50
GH194-8	1/2"	20.7	175	35.00
GH194-10	5/8"	23.8	140	36.85
GH194-12	3/4"	27.8	125	43.55
GH194-16	1"	35.8	90	62.80
GH194-20	1.1/4"	44	60	94.85

## GH195 AQP

- EN853 Type 2SN.
  - SAE100R2AT.
- Temperature:  
-40°C to +150°C

Application:  
Hydraulic system service with petroleum, fire-resistant and water-base fluids, fuel and lubricating systems.

For use with Global TTC fittings.

Construction:  
AQP elastomer tube, reinforcement double wire braid, blue AQP cover.



### Per Metre

0235	ID	OD mm	bar	£
GH195-4	1/4"	15.1	400	33.20
GH195-6	3/8"	19.2	345	40.10
GH195-8	1/2"	22.1	290	40.55
GH195-10	5/8"	25.1	225	46.30
GH195-12	3/4"	29.5	210	55.45
GH195-16	1"	37.8	170	81.30
GH195-20	1.1/4"	48.8	155	146.30
GH195-24	1.1/2"	55.1	120	155.20
GH195-32	2"	67.8	100	130.70

# Global TTC Fittings

## BF



### BSPP Female Swivel

0159		To Suit Hose I.D.	£
1A4BF4	1/4"	1/4"	2.65
1A6BF4	3/8"	1/4"	3.40
1A6BF6	3/8"	3/8"	3.20
1A8BF6	1/2"	3/8"	4.05
1A8BF8	1/2"	1/2"	4.10
1A8BF10	1/2"	5/8"	51.60
1A10BF8	5/8"	1/2"	9.30
1A10BF10	5/8"	5/8"	6.75
1A12BF8	3/4"	1/2"	10.35
1A12BF10	3/4"	5/8"	8.70
1A12BF12	3/4"	3/4"	7.05
1A16BF16	1"	1"	12.40
1AP20BF20*	1.1/4"	1.1/4"	27.05
1AT20BF20**	1.1/4"	1.1/4"	27.05
1A24BF24	1.1/2"	1.1/2"	37.20
1A32BF32	2"	2"	75.75

## BFA



### BSPP Female Swivel, 45° Elbow

0159		To Suit Hose I.D.	£
1A4BFA4	1/4"	1/4"	4.60
1A6BFA6	3/8"	3/8"	5.20
1A8BFA6	1/2"	3/8"	8.00
1A8BFA8	1/2"	1/2"	7.30
1A10BFA10	5/8"	5/8"	11.60
1A12BFA12	3/4"	3/4"	11.15
1A16BFA16	1"	1"	18.35
1AP20BFA20*	1.1/4"	1.1/4"	40.20
1AT20BFA20**	1.1/4"	1.1/4"	40.20
1A24BFA24	1.1/2"	1.1/2"	78.35
1A32BFA32	2"	2"	138.50

## BFB



### BSPP Female Swivel, 90° Elbow

0159		To Suit Hose I.D.	£
1A4BFB4	1/4"	1/4"	4.45
1A6BFB6	3/8"	3/8"	5.20
1A8BFB6	1/2"	3/8"	7.30
1A8BFB8	1/2"	1/2"	7.30
1A10BFB8	5/8"	1/2"	9.80
1A10BFB10	5/8"	5/8"	10.75
1A12BFB10	3/4"	5/8"	13.80
1A12BFB12	3/4"	3/4"	11.15
1A16BFB16	1"	1"	18.35
1AP20BFB20*	1.1/4"	1.1/4"	40.20
1AT20BFB20**	1.1/4"	1.1/4"	40.20
1A24BFB24	1.1/2"	1.1/2"	65.65
1A32BFB32	2"	2"	138.50

## BP



### BSPP Male

0159		To Suit Hose I.D.	£
1A4BP4	1/4"	1/4"	5.05
1A6BP6	3/8"	3/8"	4.05
1A8BP6	1/2"	3/8"	6.95
1A8BP8	1/2"	1/2"	6.15
1A10BP10	5/8"	5/8"	10.25
1A12BP12	3/4"	3/4"	8.80
1A16BP16	1"	1"	17.15
1AP20BP20*	1.1/4"	1.1/4"	34.85
1AT20BP20**	1.1/4"	1.1/4"	34.85
1A24BP24	1.1/2"	1.1/2"	47.75
1A32BP32	2"	2"	81.40

## BT



### BSPT Male

0159		To Suit Hose I.D.	£
1A2BT4	1/8"	1/4"	3.70
1A4BT4	1/4"	1/4"	3.50
1A6BT6	3/8"	3/8"	4.25
1A8BT8	1/2"	1/2"	5.75
1A12BT12	3/4"	3/4"	9.40
1A16BT16	1"	1"	17.40
1AP20BT20*	1.1/4"	1.1/4"	42.80
1AT20BT20**	1.1/4"	1.1/4"	42.80
1A24BT24	1.1/2"	1.1/2"	72.35
1A32BT32	2"	2"	106.10



- GH663 1SN
- GH793 2SN
- GH781 2SC
- GH194 AQP Hose
- GH195 AQP Hose

## FJ



### JIC Female Swivel

0159		To Suit Hose I.D.	£
1A4FJ4	7/16"	1/4"	2.90
1A5FJ4	1/2"	1/4"	3.65
1A6FJ6	9/16"	3/8"	3.50
1A8FJ6	3/4"	3/8"	4.05
1A8FJ8	3/4"	1/2"	4.40
1A10FJ8	7/8"	1/2"	4.90
1A10FJ10	7/8"	5/8"	6.55
1A12FJ10	1.1/16"	5/8"	7.80
1A12FJ12	1.1/16"	3/4"	8.05
1A16FJ12	1.5/16"	3/4"	14.65
1A16FJ16	1.5/16"	1"	14.75
1AP20FJ20*	1.5/8"	1.1/4"	28.45
1AT20FJ20**	1.5/8"	1.1/4"	28.45
1A24FJ24	1.7/8"	1.1/2"	43.90
1A32FJ32	2.1/2"	2"	104.45

## FJA



### JIC Female Swivel, 45° Elbow

0159		To Suit Hose I.D.	£
1A4FJA4	7/16"	1/4"	5.65
1A5FJA4	1/2"	1/4"	11.50
1A6FJA6	9/16"	3/8"	6.25
1A8FJA6	3/4"	3/8"	7.90
1A8FJA8	3/4"	1/2"	7.90
1A10FJA8	7/8"	1/2"	9.65
1A10FJA10	7/8"	5/8"	12.65
1A12FJA10	1.1/16"	5/8"	13.70
1A12FJA12	1.1/16"	3/4"	13.10
1A16FJA12	1.5/16"	3/4"	28.50
1A16FJA16	1.5/16"	1"	22.35
1AP20FJA20*	1.5/8"	1.1/4"	45.60
1AT20FJA20**	1.5/8"	1.1/4"	45.60

Global TTC Fittings are suitable for all 100R1AT, 100R2AT & 2SC Hose

\* 1 Wire \*\* 2 Wire



# Global TTC Fittings

## FJB



### JIC Female Swivel, 90° Elbow

0159		To Suit Hose I.D.	£
1A4FJB4	7/16"	1/4"	5.65
1A5FJB4	1/2"	1/4"	6.30
1A6FJB6	9/16"	3/8"	5.80
1A8FJB6	3/4"	3/8"	7.90
1A8FJB8	3/4"	1/2"	8.85
1A10FJB8	7/8"	1/2"	12.95
1A10FJB10	7/8"	5/8"	10.45
1A12FJB10	1.1/16"	5/8"	13.50
1A12FJB12	1.1/16"	3/4"	13.50
1A16FJB12	1.5/16"	3/4"	24.55
1A16FJB16	1.5/16"	1"	22.35
1AP20FJB20*	1.5/8"	1.1/4"	45.60
1AT20FJB20**	1.5/8"	1.1/4"	45.60

## FR



### ORS Female Swivel

0159		To Suit Hose I.D.	£
1A4FR4	9/16"	1/4"	5.65
1A6FR4	11/16"	1/4"	10.45
1A6FR6	11/16"	3/8"	7.20
1A8FR6	13/16"	3/8"	13.05
1A8FR8	13/16"	1/2"	9.05
1A10FR8	1"	1/2"	13.00
1A10FR10	1"	5/8"	9.30
1A12FR12	1.3/16"	3/4"	23.70
1A16FR16	1.7/16"	1"	28.90
1AP20FR20*	1.11/16"	1.1/4"	155.00
1AT20FR20**	1.11/16"	1.1/4"	148.40

## FL (3000 psi)



### Split Flange

0159	Flange Size	To Suit Hose I.D.	£
1A8FL8	1/2"	1/2"	16.25
1A12FL10	3/4"	5/8"	11.70
1A12FL12	3/4"	3/4"	15.10
1A12FL16	3/4"	1"	24.95
1A16FL12	1"	3/4"	22.45
1A16FL16	1"	1"	18.80
1A20FL16	1.1/4"	1"	27.30
1AP20FL20*	1.1/4"	1.1/4"	36.45
1AT20FL20**	1.1/4"	1.1/4"	36.45
1A20FL24	1.1/4"	1.1/2"	39.75
1AP24FL20*	1.1/2"	1.1/4"	52.50
1AT24FL20**	1.1/2"	1.1/4"	91.75
1A24FL24	1.1/2"	1.1/2"	55.20
1A32FL24	2"	1.1/2"	100.70
1A32FL32	2"	2"	108.25

## MJ



### JIC Male Flare

0159		To Suit Hose I.D.	£
1A4MJ4	7/16"	1/4"	4.30
1A6MJ6	9/16"	3/8"	5.30
1A8MJ8	3/4"	1/2"	5.40
1A10MJ8	7/8"	1/2"	6.55
1A10MJ10	7/8"	5/8"	12.50
1A12MJ10	1.1/16"	5/8"	16.40
1A12MJ12	1.1/16"	3/4"	9.40
1A16MJ12	1.5/16"	3/4"	24.70
1A16MJ16	1.5/16"	1"	17.15
1AP20MJ20*	1.5/8"	1.1/4"	39.30
1AT20MJ20**	1.5/8"	1.1/4"	42.65

## FRA



### ORS Female Swivel, 45° Elbow

0159		To Suit Hose I.D.	£
1A4FRA4	9/16"	1/4"	6.75
1A6FRA6	11/16"	3/8"	10.20
1A8FRA8	13/16"	1/2"	9.90
1A12FRA12	1.3/16"	3/4"	19.10
1A16FRA16	1.7/16"	1"	40.90
1AT20FRA20**	1.11/16"	3/4"	58.70

## FLA (3000 psi)



### Split Flange, 45° Elbow

0159	Flange Size	To Suit Hose I.D.	£
1A12FLA12	3/4"	3/4"	30.50
1A12FLA16	3/4"	1"	47.40
1A16FLA12	1"	3/4"	31.45
1A16FLA16	1"	1"	31.80
1AP16FLA20*	1"	1.1/4"	67.00
1AT16FLA20**	1"	1.1/4"	67.00

## MP



### NPT Male Pipe

0159		To Suit Hose I.D.	£
1A2MP4	1/8"	1/4"	5.00
1A4MP4	1/4"	1/4"	5.40
1A4MP6	1/4"	3/8"	4.55
1A6MP4	3/8"	1/4"	13.50
1A6MP6	3/8"	3/8"	5.00
1A6MP8	3/8"	1/2"	10.00
1A8MP6	1/2"	3/8"	7.80
1A8MP8	1/2"	1/2"	5.10
1A8MP10	1/2"	5/8"	21.90
1A12MP10	3/4"	5/8"	19.90
1A12MP12	3/4"	3/4"	8.35
1A12MP16	3/4"	1"	31.05
1A16MP12	1"	3/4"	14.45
1A16MP16	1"	1"	14.75
1AP20MP20*	1.1/4"	1.1/4"	30.00
1AT20MP20**	1.1/4"	1.1/4"	30.00
1A24MP24	1.1/2"	1.1/2"	54.40
1A32MP32	2"	2"	88.45

## FRB



### ORS Female Swivel, 90° Elbow

0159		To Suit Hose I.D.	£
1A4FRB4	9/16"	1/4"	6.95
1A6FRB4	11/16"	1/4"	12.60
1A6FRB6	11/16"	3/8"	8.05
1A8FRB8	13/16"	1/2"	9.90
1A10FRB10	1"	5/8"	12.85
1A12FRB12	1.3/16"	3/4"	14.65
1A16FRB16	1.7/16"	1"	40.90
1AT20FRB20**	1.11/16"	3/4"	59.35

## FLB (3000 psi)



### Split Flange, 90° Elbow

0159	Flange Size	To Suit Hose I.D.	£
1A12FLB12	3/4"	3/4"	30.50
1A16FLB16	1"	1"	53.10
1AP16FLB20*	1"	1.1/4"	54.85
1AT16FLB20**	1.1/4"	1.1/4"	54.85
1A20FLB16	1.1/4"	1"	41.55
1A24FLB24	1.1/2"	1.1/2"	84.05

\* 1 Wire \*\* 2 Wire

Global TTC Fittings are suitable for all 100R1AT, 100R2AT & 2SC Hose

# Global TTC Fittings

## DL



### DKO Female Swivel, Light Duty

0159		To Suit Hose I.D.	£
1A5DL4	M12 x 1.5	1/4"	16.85
1A6DL4	M14 x 1.5	1/4"	3.70
1A8DL4	M16 x 1.5	1/4"	4.15
1A8DL6	M16 x 1.5	3/8"	4.65
1A10DL6	M18 x 1.5	3/8"	4.25
1A12DL8	M22 x 1.5	1/2"	5.85
1A16DL10	M26 x 1.5	5/8"	8.95
1A20DL12	M30 x 2	3/4"	13.15
1A25DL16	M36 x 2	1"	21.50
1AP32DL20*	M45 x 2	1.1/4"	37.50
1AT32DL20**	M45 x 2	1.1/4"	37.70
1A40DL24	M52 x 2	1.1/2"	64.05

## DLB



### DKO Female Swivel, Light Duty, 90° Elbow

0159		To Suit Hose I.D.	£
1A5DLB4	M12 x 1.5	1/4"	15.05
1A6DLB4	M14 x 1.5	1/4"	9.20
1A8DLB6	M16 x 1.5	3/8"	9.40
1A10DLB5	M18 x 1.5	5/16"	37.20
1A10DLB6	M18 x 1.5	3/8"	8.95
1A12DLB8	M22 x 1.5	1/2"	10.50
1A16DLB10	M26 x 1.5	5/8"	15.60
1A20DLB12	M30 x 2	3/4"	23.15
1A25DLB16	M36 x 2	1"	39.35
1AP32DLB20*	M45 x 2	1.1/4"	75.00
1AT32DLB20**	M45 x 2	1.1/4"	75.00
1A40DLB24	M52 x 2	1.1/2"	124.20

## DS



### DKO Female Swivel, Heavy Duty

0159		To Suit Hose I.D.	£
1A5DS4	M16 x 1.5	1/4"	8.60
1A6DS4	M18 x 1.5	1/4"	4.55
1A8DS6	M20 x 1.5	3/8"	6.80
1A10DS6	M22 x 1.5	3/8"	13.10
1A10DS8	M22 x 1.5	1/2"	33.80
1A12DS8	M24 x 1.5	1/2"	7.70
1A16DS10	M30 x 2	5/8"	13.20
1A20DS12	M36 x 2	3/4"	18.35
1A25DS16	M42 x 2	1"	30.25
1AP32DS20*	M52 x 2	1.1/4"	52.00

## DLA



### DKO Female Swivel, Light Duty, 45° Elbow

0159		To Suit Hose I.D.	£
1A6DLA4	M14 x 1.5	1/4"	11.40
1A8DLA6	M16 x 1.5	3/8"	9.40
1A10DLA6	M18 x 1.5	3/8"	8.90
1A12DLA8	M22 x 1.5	1/2"	10.50
1A16DLA10	M26 x 1.5	5/8"	15.60
1A20DLA12	M30 x 2	3/4"	22.05
1A25DLA16	M36 x 2	1"	31.65
1AP32DLA20*	M45 x 2	1.1/4"	75.00
1AT32DLA20**	M45 x 2	1.1/4"	75.00
1A40DLA24	M52 x 2	1.1/2"	124.20

## DK



### 24° Male, Light Duty

0159		To Suit Hose I.D.	£
1A5DK4	M12 x 1.5	1/4"	8.50
1A6DK4	M14 x 1.5	1/4"	4.60
1A8DK6	M16 x 1.5	3/8"	4.25
1A10DK6	M18 x 1.5	3/8"	3.65
1A10DK8	M18 x 1.5	1/2"	6.50
1A12DK8	M22 x 1.5	1/2"	5.75
1A16DK10	M26 x 1.5	5/8"	11.30
1A20DK12	M30 x 2	3/4"	9.20
1A25DK16	M36 x 2	1"	19.50
1AP32DK20*	M45 x 2	1.1/4"	38.35
1AT32DK20**	M45 x 2	1.1/4"	38.85
1A40DK24	M52 x 2	1.1/2"	65.70

## DSA



### DKO Female Swivel, Heavy Duty, 45° Elbow

0159		To Suit Hose I.D.	£
1A6DSA4	M18 x 1.5	1/4"	11.60
1A8DSA6	M20 x 1.5	3/8"	8.25
1A10DSA6	M22 x 1.5	3/8"	13.85
1A12DSA8	M24 x 1.5	1/2"	13.20
1A16DSA10	M30 x 2	5/8"	18.80
1A20DSA12	M36 x 2	3/4"	23.90
1A25DSA16	M42 x 2	1"	60.60
1AP32DSA20*	M52 x 2	1.1/4"	104.45
1AT32DSA20**	M52 x 2	1.1/4"	147.45

## DSB



### DKO Female Swivel, Heavy Duty, 90° Elbow

0159		To Suit Hose I.D.	£
1A5DSB4	M16 x 1.5	1/4"	14.20
1A6DSB4	M18 x 1.5	1/4"	7.20
1A8DSB6	M20 x 1.5	3/8"	10.45
1A10DSB6	M22 x 1.5	3/8"	12.95
1A12DSB8	M24 x 1.5	1/2"	12.95
1A16DSB10	M30 x 2	5/8"	18.80
1A20DSB12	M36 x 2	3/4"	26.16
1A25DSB16	M42 x 2	1"	83.65
1AP32DSB20*	M52 x 2	1.1/4"	134.90
1AT32DSB20**	M52 x 2	1.1/4"	90.94

\* 1 Wire \*\* 2 Wire

Global TTC Fittings are suitable for all 100R1AT, 100R2AT & 2SC Hose



# Spiral EN856 Skive Fittings



## GC3471



### Skive Crimp Socket

0159	To Suit Hose I.D.	£
GC3471-6	3/8"	4.00
GC3471-8	1/2"	5.10
GC3471-10	5/8"	7.05
GC3471-12	3/4"	9.40
GC3471-16	1"	11.70

## BFB



### BSPP Female Swivel, 90° Elbow

0159		To Suit Hose I.D.	£
41.139-6-6	3/8"	3/8"	14.85
41.139-8-8	1/2"	1/2"	22.35
41.139-10-10	5/8"	5/8"	80.55
41.139-12-12	3/4"	3/4"	17.95
41.139-16-16	1"	1"	30.30

## FJB



### JIC Female Swivel, 90° Elbow

0159		To Suit Hose I.D.	£
GC8625-6	9/16"	3/8"	20.40
GC8625-8	3/4"	1/2"	20.45
GC8625-10	7/8"	5/8"	32.40
GC8625-12	1.1/16"	3/4"	31.05
GC8625-16	1.5/16"	1"	43.60

## BF



## BP



### BSPP Male

0159		To Suit Hose I.D.	£
41.020-6-6	3/8"	3/8"	49.15
41.020-8-8	1/2"	1/2"	96.70
41.020-12-12	3/4"	3/4"	92.70
41.020-16-16	1"	1"	92.95

## FR



### BSPP Female Swivel

0159		To Suit Hose I.D.	£
41.420-6-6	3/8"	3/8"	9.85
41.420-8-8	1/2"	1/2"	11.40
41.420-12-8	3/4"	1/2"	280.60
41.420-10-10	5/8"	5/8"	76.90
41.420-12-12	3/4"	3/4"	8.45
41.420-16-16	1"	1"	12.20

## FJ



### JIC Female Swivel

0159		To Suit Hose I.D.	£
G186100-6-6	9/16"	3/8"	8.20
G186100-8-8	3/4"	1/2"	6.45
G186100-10-10	7/8"	5/8"	7.05
G186100-12-12	1.1/16"	3/4"	21.90
G186100-16-16	1.5/16"	1"	12.00

### ORS Female Swivel

0159		To Suit Hose I.D.	£
GH20134-6	1.1/16"	3/8"	9.15
GH20134-8	1.3/16"	1/2"	16.00
GH20134-10	1"	5/8"	20.90
GH20134-12	1.3/16"	3/4"	42.10
GH20134-16	1.7/16"	1"	135.40

## BFA



### BSPP Female Swivel, 45° Elbow

0159		To Suit Hose I.D.	£
41.143-6-6	3/8"	3/8"	61.00
41.143-8-8	1/2"	1/2"	35.80
41.143-10-10	5/8"	5/8"	142.95
41.143-12-12	3/4"	3/4"	28.85
41.143-16-16	1"	1"	34.45

## FJA



### JIC Female Swivel, 45° Elbow

0159		To Suit Hose I.D.	£
GC8627-6	9/16"	3/8"	19.60
GC8627-8	3/4"	1/2"	25.20
GC8627-10	7/8"	5/8"	43.10
GC8627-12	1.1/16"	3/4"	40.30
GC8627-16	1.5/16"	1"	39.15
GC8627-16-12	1.5/16"	3/4"	47.40

## FRA



### ORS Female Swivel, 45° Elbow

0159		To Suit Hose I.D.	£
GH20135-6	1.1/16"	3/8"	36.60
GH20135-8	1.3/16"	1/2"	32.80
GH20135-10	1"	5/8"	56.70
GH20135-12	1.3/16"	3/4"	34.65
GH20135-16	1.7/16"	1"	160.75

## Spiral EN856 Skive Fittings

### FRB



#### ORS Female Swivel, 90° Elbow

0159		To Suit Hose I.D.	£
GH20136-6	1.1/16"	3/8"	27.25
GH20136-8	1.3/16"	1/2"	26.45
GH20136-10	1"	5/8"	42.40
GH20136-12	1.3/16"	3/4"	38.80
GH20136-16	1.7/16"	1"	87.30

### FLB (3000 psi)



#### SAW Flange, 90° Elbow

0159	Flange Size	To Suit Hose I.D.	£
GC8727-8	1/2"	1/2"	17.95
GC8727-12-10	3/4"	5/8"	22.95
GC8727-12	3/4"	3/4"	42.45
GC8727-16-12	1"	3/4"	24.85
GC8727-16	1"	1"	25.40
GC8727-20-16	1.1/4"	1"	47.20

### DS



#### DKO Female Swivel, Heavy Duty

0159		To Suit Hose I.D.	£
41.721-12-6	M20 x 1.5	3/8"	8.60
41.721-14-6	M22 x 1.5	3/8"	16.60
41.721-16-8	M24 x 1.5	1/2"	9.95
41.721-16-10	M24 x 1.5	5/8"	18.55
41.721-20-10	M30 x 2	5/8"	13.95
41.721-25-12	M36 x 2	3/4"	17.15
41.721-30-16	M42 x 2	1"	24.85

### FL (3000 psi)



#### SAE Flange

0159	Flange Size	To Suit Hose I.D.	£
GC8725-8	1/2"	1/2"	19.40
GC8725-12-10	3/4"	5/8"	37.75
GC8725-12	3/4"	3/4"	21.00
GC8725-16-12	1"	3/4"	19.60
GC8725-16	1"	1"	26.80
GC8725-20-16	1.1/4"	1"	53.80

### DL



#### DKO Female Swivel, Light Duty

0159		To Suit Hose I.D.	£
GH10690-6	M16 x 1.5	3/8"	13.25
GH10429-6	M18 x 1.5	3/8"	8.30
GH10429-8	M22 x 1.5	1/2"	9.40
GH10429-10	M26 x 1.5	5/8"	8.95
GH10429-12	M30 x 2	3/4"	18.35
GH10429-16	M36 x 2	1"	19.15

### DSA



#### DKO Female Swivel, Heavy Duty, 45° Elbow

0159		To Suit Hose I.D.	£
41.839-12-6	M20 x 1.5	3/8"	18.15
41.839-14-6	M22 x 1.5	3/8"	96.65
41.839-16-8	M24 x 1.5	1/2"	19.10
41.839-20-10	M30 x 2	5/8"	29.60
41.839-25-12	M36 x 2	3/4"	35.45
41.839-30-16	M42 x 2	1"	53.85

### FLA (3000 psi)



#### Split Flange, 45° Elbow

0159	Flange Size	To Suit Hose I.D.	£
GC8724-8	1/2"	1/2"	17.95
GC8724-12-10	3/4"	5/8"	33.20
GC8724-12	3/4"	3/4"	26.10
GC8724-16-12	1"	3/4"	45.95
GC8724-12-16	3/4"	1"	75.65
GC8724-16	1"	1"	25.40
GC8724-20-16	1.1/4"	1"	47.20

### DK



#### 24° Male, Light Duty

0159		To Suit Hose I.D.	£
41.013-10-6	M16 x 1.5	3/8"	92.10
41.013-15-8	M22 x 1.5	1/2"	15.10
41.013-18-10	M26 x 1.5	5/8"	16.85
41.013-22-12	M30 x 2	3/4"	19.70
41.013-28-16	M36 x 2	1"	21.90

### DSB



#### DKO Female Swivel, Heavy Duty, 90° Elbow

0159		To Suit Hose I.D.	£
41.840-12-6	M20 x 1.5	3/8"	16.35
41.840-14-6	M22 x 1.5	3/8"	84.35
41.840-16-8*	M24 x 1.5	1/2"	19.10
41.840-20-10	M30 x 2	5/8"	22.40
41.840-25-12	M36 x 2	3/4"	45.95
41.840-30-16	M42 x 2	1"	53.85

\* With VITON O-Ring



# Hydraulic Hose & Fittings

## Aeroquip 1503 Hose

Applications:  
Hydraulic systems with petroleum, crude, fuel & lubrication oils, gasoline & air\*.

Construction:  
Synthetic rubber tube textile inner braid, single wire braid reinforcement, synthetic rubber impregnated textile cover.

Note:  
Rubber covered hosestyles for use with gases above 17.5 bar (250 psi) must be perforated.

**Temperature Range:**  
-40°C to +100°C  
Air\* 0°C max = +71°C



### SAE 100R5, Per Metre

0235	ID	OD mm	bar	bar	Socket Part No.	£
1503-4	4.8	13.2	210	840	G1210-4	18.75
1503-5	6.4	14.7	210	840	G1210-5	19.15
1503-6	7.9	17.3	160	640	G1210-6	19.80
1503-8	10.4	19.6	140	560	G1210-8	21.20
1503-10	12.7	23.4	125	490	G1210-10	23.10
1503-12	16	27.4	105	420	G1210-12	28.60
1503-16	22.4	31.2	55	220	G1212-16	39.85
1503-20	28.4	38.1	45	180	G1212-20	39.85
1503-24	35.1	44.5	35	140	G1212-24	42.20
1503-32	46	56.6	25	100	G1212-32	62.30
1503-40	60.1	73.2	25	100	G1212-40	124.70

## Aeroquip FC300 Hose

Applications:  
Hydraulic systems with petroleum base fluids & fire resistant types, fuel and lubricating oils, gasoline, air\*, water & other industrial fluids.

Construction:  
AQP elastomer tube. Polyester inner braid single wire braid reinforcement blue polyester braid cover.

Note:  
Rubber covered hosestyles for use with gases above 17.5 bar (250 psi) must be perforated.

**Temperature Range:**  
-49°C to +150°C  
Air\* 0°C max = +121°C  
Phosh. - Esth. base fluids max 93°C



### SAE 100R5, Per Metre

0235	ID	OD mm	bar	bar	Socket Part No.	£
FC300-04	4.8	13.2	210	840	G1210-4	23.00
FC300-05	6.4	14.7	210	840	G1210-5	23.80
FC300-06	7.9	17.3	160	630	G1210-6	23.70
FC300-08	10.4	19.6	140	560	G1210-8	27.50
FC300-10	12.7	23.4	125	480	G1210-10	30.65
FC300-12	16	27.4	105	420	G1210-12	39.80
FC300-16	22.4	31.2	55	225	G1212-16	46.75
FC300-20	28.4	38.1	45	175	G1212-20	59.15
FC300-24	35.1	44.5	35	140	G1212-24	69.80
FC300-32	46	56.4	20	85	G1212-32	110.55
FC300-40	60.1	73.2	24	97	G1212-40	218.90

## Aeroquip FC234 Hose

Applications:  
Diesel fuel, gasoline, hot lube oil & water.

Construction:  
AQP elastomer tube brass plated steel wire reinforcement braided refractory insulation blue AQP elastomer cover.

Note:  
Rubber covered hosestyles for use with gases above 17.5 bar (250 psi) must be perforated.

**Temperature Range:**  
-40°C to +150°C  
Fire Resistant hose to USCGT/MMT, NMMA/BIA



### AQP Hose

0235	ID	OD mm	bar	bar	Socket Part No.	£
FC234-05	6.4	14.7	105	414	G1210-5	32.25
FC234-06	7.9	17.3	105	414	G1210-6	34.10
FC234-08	10.4	19.3	85	345	G1210-8	50.85
FC234-10	12.7	23.9	85	345	G1210-10	61.10
FC234-12	16	27.4	50	207	G1210-12	69.40
FC234-16	22.4	31.5	28	110	G1212-16	74.00

## Aeroquip R5 Reusable Fittings



### Reusable Socket

0235	To Suit Hose	£
G1210-04	FC300, FC234, 1503	1.70
G1210-05	FC300, FC234, 1503	2.15
G1210-06	FC300, FC234, 1503	2.55
G1210-08	FC300, FC234, 1503	3.10
G1210-10	FC300, FC234, 1503	4.50
G1210-12	FC300, FC234, 1503	6.15
G1212-16	FC300, FC234, 1503	6.85
G1212-20	FC300, 1503	10.95
G1212-24	FC300, 1503	13.15
G1212-32	FC300, 1503	39.80
G1212-40	1503	69.85

# Hydraulic Hose & Fittings

## Reusable Fittings to Suit FC300, FC234 & 1503



### BSPP Female Swivel

0235		To Suit Hose I.D.	£
11.421-4-4	1/4"	4.8mm	7.40
11.421-6-6	3/8"	7.9mm	7.50
11.421-8-8	1/2"	10.4mm	7.70
11.421-10-10	5/8"	6.4mm	28.95
11.421-12-12	3/4"	16mm	13.25
11.421-16-16	1"	22.4mm	20.95
11.421-20-20	1.1/4"	28.4mm	36.90
11.421-24-24	1.1/2"	35.1mm	43.20
11.421-32-32	2"	46mm	82.10



### BSPP Female Swivel, 45° Elbow

0235		To Suit Hose I.D.	£
11.045-4-4	1/4"	4.8mm	8.30
11.045-6-6	3/8"	7.9mm	17.60
11.045-8-8	1/2"	10.4mm	15.05
11.045-10-10	5/8"	12.7mm	17.60
11.045-12-12	3/4"	16mm	18.10
11.045-16-16	1"	22.4mm	25.80
11.045-20-20	1.1/4"	28.4mm	59.75
11.045-24-24	1.1/2"	35.1mm	69.80
11.045-32-32	2"	46mm	120.30



### BSPP Female Swivel, 90° Elbow

0235		To Suit Hose I.D.	£
11.011-4-4	1/4"	4.8mm	10.40
11.011-6-6	3/8"	7.9mm	10.05
11.011-8-8	1/2"	10.4mm	11.50
11.011-10-10	5/8"	12.7mm	25.40
11.011-12-12	3/4"	16mm	19.25
11.011-16-16	1"	22.4mm	24.80
11.011-20-20	1.1/4"	28.4mm	53.05
11.011-24-24	1.1/2"	35.1mm	61.30
11.011-32-32	2"	46mm	117.90



### BSPP Male

0235		To Suit Hose I.D.	£
11.340-4-4	1/4"	4.8mm	11.30
11.340-6-6	3/8"	7.9mm	19.10
11.340-8-8	1/2"	10.4mm	16.40
11.340-12-12	3/4"	16mm	26.75
11.340-16-16	1"	22.4mm	21.00
11.340-20-20	1.1/4"	28.4mm	94.75
11.340-24-24	1.1/2"	35.1mm	61.15
11.340-32-32	2"	46mm	86.50



### JIC Female Swivel

0235		To Suit Hose I.D.	£
G2411-4	7/16"	4.8mm	7.40
G2411-5	1/2"	6.4mm	11.50
G2411-6	9/16"	7.9mm	9.80
G2411-8	3/4"	10.4mm	11.30
G2411-10	7/8"	12.7mm	12.80
G2411-12	1.1/16"	16mm	21.00
G2411-16	1.5/16"	22.4mm	22.15



### JIC Female Swivel for Male JIC 37°

0235		To Suit Hose I.D.	£
1251-4S	7/16"	4.8mm	2.55
1251-5S	1/2"	6.4mm	3.30
1251-6S	9/16"	7.9mm	3.10
1251-8S	3/4"	10.4mm	3.10
1251-10S	7/8"	12.7mm	5.00
1251-16S	1.5/16"	22.4mm	15.10
1251-20S	1.5/8"	28.4mm	15.20
1251-24S	1.7/8"	35.1mm	26.00



### SAE Female Swivel 45°

0235		To Suit Hose I.D.	£
G2401-4	7/16"	4.8mm	6.50
G2401-6	5/8"	7.9mm	8.40
G2401-8	3/4"	10.4mm	9.40
G2401-10	7/8"	12.7mm	10.70
G2401-12	1.1/16"	16mm	20.20



### SAE/JIC Female Swivel, 45° Elbow

0235		To Suit	To Suit Hose I.D.	£
G185297-4	7/16"	SAE 45° & JIC 37°	4.8mm	8.90
G185297-5	1/2"	SAE 45° & JIC 37°	6.4mm	15.30
G185299-6	5/8"	SAE 45°	7.9mm	16.10
G185297-8	3/4"	SAE 45° & JIC 37°	10.4mm	17.05
G185297-10E	7/8"	SAE 45° & JIC 37°	12.7mm	20.40
G185299-12E	1.1/16"	SAE 45°	16mm	81.30
G185265-12	1.1/16"	JIC 37°	16mm	18.45
G185265-16	1.5/16"	JIC 37°	22.4mm	26.90
G185265-20	1.5/8"	JIC 37°	28.4mm	61.30



### SAE/JIC Female Swivel, 90° Elbow

0235		To Suit	To Suit Hose I.D.	£
G185296-4	7/16"	SAE 45° & JIC 37°	4.8mm	8.95
G185296-5DR	1/2"	SAE 45° & JIC 37°	6.4mm	15.70
G185302-6	5/8"	SAE 45°	7.9mm	15.95
G185261-6DR	9/16"	JIC 37°	7.9mm	17.95
G185296-8	3/4"	SAE 45° & JIC 37°	10.4mm	11.80
G185296-10E	7/8"	SAE 45° & JIC 37°	12.7mm	20.00
G185302-12E	1.1/16"	SAE 45°	16mm	180.65
G185261-12	1.1/16"	JIC 37°	16mm	21.95
G185261-16	1.5/16"	JIC 37°	22.4mm	25.50
G185261-20DR	1.5/8"	JIC 37°	28.4mm	54.00



### 1 Metre Lengths

0235		£
624-11	17.5	40.10
624-12	19	42.20
624-13	20.5	59.35
624-14	22.3	42.65
624-16	25.4	44.40
624-18	28.4	58.95
624-20	31.7	65.90
624-22	35	96.35
624-24	38.1	112.95
624-28	44.4	109.70
624-30	47.7	124.95
624-32	50.8	139.50
624-38	60.4	173.70
624-42	66.5	213.00
624-46	73.1	251.65
624-54	85.8	339.20
624-60	95.2	299.75



# Hydraulic Hose & Fittings

## Port & Connector Identification Kit

Applications:  
Accurate identification of ports and connectors is made easy and simple with this kit, allowing correct hose and tube assemblies to be selected and installed.



**Metric & Imperial**

0235	£
FT1341	123.05

## High Pressure Cleaning Hose

**Temperature Range:** -40°C to +70°C (up to +120°C)  
**Maximum Working Pressure:** 280 bar

Applications:  
High pressure cleaning hose for use in the sanitation & cleaning field with non polluting cover. Also, high pressure hydraulic systems with petroleum & water glycol based fluids. High pressure cleaners for food, labour and swimming bath areas.  
 Construction:  
Synthetic NBR rubber tube, 1 wire braid reinforcement; synthetic rubber cover, grey.



**Aeroquip GH421, Per Metre**

0235	ID mm	OD mm	£
GH421-6	9.5	18	12.90

# Hose & Permanent Attached Hose Fittings

## 31BO Medium Pressure Hose

SAE100R7  
Applications:  
General hydraulic.  
High pressure gas transfer.  
Chemical transfer.

Construction:  
Black polyurethane cover.  
Braided synthetic fibre reinforcement.  
Nylon core tube.



**Temperature Range:** -40°C to +100°C or to +60°C, with water based or fire resistant fluids

**Single Line, 75 Metre Coils**

0235	ID	Die Ref.	bar	£
31BO-04	1/4"	4540-30400	207	510.95
31BO-06	3/8"	4540-30600	155	547.25

SAE100R7  
Applications:  
Forklifts working in cold storage areas.  
General hydraulics.  
Mobile equipment.  
Lift truck hydraulic systems.  
Cold temperature motion control.

Construction:  
Black polyester cover.  
Braided synthetic fibre reinforcement.  
Polyurethane core tube.



**Temperature Range:** -54°C to +100°C or to +60°C max., with water based or fire resistant fluids

**Twin Line, 75 Metre Coils**

0235	ID	Die Ref.	bar	£
3770-21B2	3/16"	4540-30300	207	804.20
3770-21B3	1/4"	4540-30400	207	954.05
3770-21B4	5/16"	4540-30500	172	1084.85
3770-21B5	3/8"	4540-30600	155	1451.15

## 37BO Medium Pressure Hose

SAE100R7  
Applications:  
Forklifts working in cold storage areas.  
General hydraulics.  
Mobile equipment.  
Lift truck hydraulic systems.  
Cold temperature motion control.

Construction:  
Black polyester cover.  
Braided synthetic fibre reinforcement.  
Polyurethane core tube.



**Temperature Range:** -54°C to +100°C or to +60°C max., with water based or fire resistant fluids

**Single Line, 75 Metre Coils**

0235	ID	Die Ref.	bar	£
37BO-03	3/16"	4540-30300	207	569.60
37BO-04	1/4"	4540-30400	207	634.50
37BO-05	5/16"	4540-30500	172	724.05
37BO-06	3/8"	4540-30600	155	753.60
37BO-08	1/2"	4540-30800	138	1094.55

SAE100R7  
Applications:  
General hydraulics & pneumatic systems.  
Mobile machinery.  
Hose retractors & sheave routings.  
Forklift/mast application.

Construction:  
Most Synflex hose can be permanently joined to form Twin-line or Multi-line designs.  
Hose form flat assembly.



**Temperature Range:** -54°C to +100°C or to +60°C max., with water based or fire resistant fluids

**Twin Line, 75 Metre Coils**


0235	ID	Die Ref.	bar	£
3770-27B2	3/16"	4540-30300	207	1237.70
3770-27B3	1/4"	4540-30400	207	1272.65
3770-27B4	5/16"	4540-30500	172	1511.05
3770-27B5	3/8"	4540-30600	155	1647.10
3770-27B6	1/2"	4540-30800	138	2353.75

## Hose & Permanent Attached Hose Fittings

### 37AL Non-conductive Constant Pressure Hose

SAE100R7 Non Conductive.  
Applications:  
Electric utility truck hydraulic systems.  
Mobile equipment (picker, utility vehicles).

Construction:  
Orange non-perforated, non-stick polyurethane cover.  
Braided synthetic fibre reinforcement.  
Polyester core tube.

 **Temperature Range:**  
-54°C to +100°C or to +60°C, with water based or fire resistant fluids




#### Single Line, 75 Metre Coils

0235	ID	Die Ref.	bar	£
37AL-04	1/4"	4540-3W400	207	710.40
37AL-06	3/8"	4540-30600	207	893.55

### 3R80 High Pressure Hose

SAE100R8  
Applications:  
General hydraulic systems.  
Hydraulic tools.  
Mobile equipment.  
High pressure pneumatic systems.  
High pressure chemical transfer.

Construction:  
Black perforated polyurethane cover.  
Braided synthetic fibre reinforcement.  
Nylon core tube.

 **Temperature Range:**  
-40°C to +100°C or to +66°C, with water based or fire resistant fluids



#### Single Line, 75 Metre Coils

0235	ID	Die Ref.	bar	£
3R80-03	3/16"	4540-H03	345	715.90
3R80-04	1/4"	4540-H04	345	818.45
3R80-06	3/8"	4540-H06	276	1061.90
3R80-08	1/2"	4540-H08	241	1522.00
3R80-12	3/4"	4540-H12	155	2249.60


#### Single Line, 60 Metre Coils

0235	ID	Die Ref.	bar	£
3R80-16	1"	4540-H16	138	3107.30

### 3E80 Non-conductive High Pressure Hose

SAE100R8  
Applications:  
General hydraulic systems that may contact high voltage sources.  
Aerial equipment.  
Mobile machinery.  
Rescue tools.

Construction:  
Non-conductive marking & colour code.  
Orange polyurethane non-perforated cover.  
Braided synthetic fibre reinforcement.  
Nylon core tube.

 **Temperature Range:**  
-40°C to +100°C or to +66°C, with water based or fire resistant fluids




#### Single Line, 75 Metre Coils

0235	ID	Die Ref.	bar	£
3E80-04	1/4"	4540-H04	345	991.95
3E80-06	3/8"	4540-H06	276	1239.85
3E80-08	1/2"	4540-H08	241	1656.35

### 32GW/33GW Grease Lubrication Hose

Applications:  
Hand held grease guns.  
Central lubricating systems.

Construction:  
Black polyurethane cover.  
Braided synthetic fibre reinforcement bonded to the core tube.  
Nylon core tube (except 33GW: polyester).

 **Temperature Range:**  
-30°C to +80°C




#### 50 Metre Coils

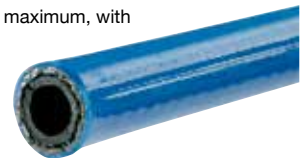
0235	ID	bar	£
32GW-DN4-JK2	5/32"	400	319.65
33GW-DN400	5/32"	325	201.20

### 3ANO Medium Pressure Wire Braided Hose

Exceeds SAE100R7 values.  
Applications:  
Paint spray applications.  
General hydraulics.  
Various applications where chemical resistance is required.

Construction:  
Polyurethane cover (not perforated).  
Single layer of high tensile carbon steel wire braiding.  
Polyamide core tube.  
Standard colour: blue.

 **Temperature Range:**  
-40°C to +100°C or -40°C to +66°C maximum, with water based or fire resistant fluids



#### Single Line, 75 Metre Coils

0235	ID	bar	£
3ANO-04	1/4"	325	387.45
3ANO-06	3/8"	235	599.90



# Hose & Permanent Attached Hose Fittings

## BSP

Construction:  
Manufactured from plated steel.



### Female with O-Ring

0235		To Suit Hose I.D.	Pusher Ref.	£
90303-04B000	1/4"	3/16"	4599-FP002	8.85
90304-04B000	1/4"	1/4"	4599-FP002	8.50
90305-06B000	3/8"	5/16"	4599-FP503	7.50
90306-06B000	3/8"	3/8"	4599-FP503	8.55
90308-08B000	1/2"	1/2"	4599-FP505	9.40

Construction:  
Manufactured from plated steel.



### 90° Elbow with O-Ring

0235		To Suit Hose I.D.	Pusher Ref.	£
90304-04B090	1/4"	1/4"	4599-TP205	10.85
90305-06B090	3/8"	5/16"	4599-TP210	10.30
90306-06B090	3/8"	3/8"	4599-TP210	12.25
90308-08B090	1/2"	1/2"	4599-TP308	24.10

## Metric



### Stand Pipe

0235		To Suit Hose I.D.	Pusher Ref.	£
90303-06N000	6	3/16"	4599-MP501	5.65
90304-08N000	8	1/4"	4599-MP501	5.30
90304-10N000	10	1/4"	4599-MP501	5.55
90304-12N000	12	1/4"	4599-MP502	7.90
90305-10N000	10	5/16"	4599-MP502	4.40
90305-12N000	12	5/16"	4599-MP502	5.55
90306-10N000	10	3/8"	4599-MP502	6.90
90306-12N000	12	3/8"	4599-MP502	5.30
90308-15N000	15	1/2"	4599-MP504	8.90

## Metric Light

Construction:  
Manufactured from plated steel.



### Female with O-Ring

0235		To Suit Hose I.D.	Pusher Ref.	£
90304-16JL00	M16 x 1.5	1/4"	4599-FP523	9.95
90306-18JL00	M18 x 1.5	3/8"	4599-FP503	6.65
90308-22JL00	M22 x 1.5	1/2"	4599-FP505	9.40

Construction:  
Manufactured from plated steel.



### 90° Elbow with O-Ring

0235		To Suit Hose I.D.	Pusher Ref.	£
90304-16JL90	M16 x 1.5	1/4"	4599-TP206	10.00
90306-18JL90	M18 x 1.5	3/8"	4599-TP210	11.70
90308-22JL90	M22 x 1.5	1/2"	4599-TP308	16.40

## Swaging Machine



Applications:  
Portable hand operated machine for field assembly. Designed to attach Synflex permanent fittings to Synflex hose.

### Manual

0235	£
4530-01002	1291.50

### Die Sets

0235		£
4540-30300	3/16"	92.50
4540-30400	1/4"	92.50
4540-30500	5/16"	92.50
4540-30600	3/8"	92.50
4540-30800	1/2"	92.50

## JIC

Covers SAE45° when marked with \*.  
Construction:  
Manufactured from plated steel.



### Female

0235		To Suit Hose I.D.	Pusher Ref.	£
90303-045400	7/16"	3/16" *	4599-FP011	4.70
90304-045400	7/16"	1/4"	4599-FP012	4.85
90304-055400	1/2"	1/4" *	4599-FP013	6.65
90306-065500	9/16"	3/8"	4599-FP015	7.30
90308-085400	3/4"	1/2"	4599-FP016	7.50

Construction:  
Manufactured from plated steel.



### 90° Elbow

0235		To Suit Hose I.D.	Pusher Ref.	£
90304-0455S0	7/16"	1/4"	4599-TP204	9.85
90305-0655S0	9/16"	5/16"	4599-TP206	6.35
90306-0655S0	9/16"	3/8"	4599-TP206	13.30
90308-0855S0	3/4"	1/2"	4599-TP308	19.10

## Accessories



### Pushers

0235	£
4599-FP002	187.60
4599-FP503	187.60
4599-FP505	187.60
4599-TP205	187.60
4599-TP210	187.60
4599-TP308	187.60
4599-FP012	187.60
4599-FP015	187.60
4599-FP016	187.60
4599-TP204	187.60
4599-TP206	187.60
4599-MP501	187.60
4599-MP502	187.60
4599-MP503	187.60

Due to the change of finishes used by our supplier, the product you receive may be different to that illustrated.

# E-Z Refrigerant Hose & Fittings

## GH134 E-Z Clip Refrigerant Hose



Far exceeds SAEJ2064. Effusion rate is 75% lower than SAE standard.  
Moisture ingress: 70% lower than SAE standard.  
Applications:  
Can be used with the following compressor oils: PAG, ester, mineral oil & alkylbenzene.  
Can be used with all refrigerants including: R134a & R404a.  
Approved & used by leading car manufacturers.  
Construction:  
Polyamide inner tube, butyl rubber backing layer, polyester braid & butyl rubber cover.

**Temperature Range:** -40°C to +125°C  
**Maximum Working Pressure:** 35 bar

### GH134, Universal Refrigerant Hose, 1 Metre Lengths

0235	ID mm	OD mm	bar	£
GH134-6	7.9	14.9	35	14.20
GH134-8	10.3	17.9	35	15.90
GH134-10	12.7	19.9	35	19.15
GH134-12	15.9	24.8	35	22.85

## GH134 Hose Fittings SAE 45° Flares



### Male

0235	To Suit Hose	Flare	£
GA24086-6-6	-6	5/8"-18	6.10
GA24086-8-8	-8	3/4"-16	7.50
GA24086-10-10	-10	7/8"-14	255.30
GA24086-12-12	-12	1.1/16"-14	12.75



### Female

0235	To Suit Hose	Flare	£
GA23860-6-6	-6	5/8"-18	6.95
GA23860-8-8	-8	3/4"-16	9.65
GA23860-10-10	-10	7/8"-14	10.30
GA23860-12-12	-12	1.1/16"-14	19.70

## GH134 Hose Fittings ORS Female Swivel



### Straight

0235	To Suit Hose	Flare	£
GA23911-6-6	-6	1.1/16"-16	7.90
GA23911-8-8	-8	1.3/16"-16	10.05
GA23911-10-10	-8	1"-14	10.55
GA23911-12-12	-12	1.3/16"-12	26.60
GA23911-16-16	-16	1.7/16"-12	28.00

## GH134 Hose Fittings Female Tube O-Ring Seal Swivel



### Straight

0235	To Suit Hose	Flare	£
GA23853-6-6	-6	5/8"-18	7.50
GA23853-8-8	-8	3/4"-16	9.50
GA23853-10-10	-10	7/8"-14	10.05
GA23853-12-12	-12	1.1/16"-14	15.05
GA23853-12-16	-16	1.1/16"-14	34.70

### 45° Elbow



0235	To Suit Hose	Flare	£
GA23912-6-6	-6	1.1/16"-16	14.20
GA23912-8-8	-8	1.3/16"-16	16.00
GA23912-10-10	-10	1"-14	19.25
GA23912-12-12	-12	1.3/16"-12	20.90
GA23912-16-16	-16	1.7/16"-12	26.50

### 45° Elbow



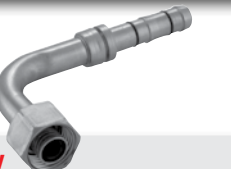
0235	To Suit Hose	Flare	£
GA23854-6-6	-6	5/8"-18	15.00
GA23854-8-8	-8	3/4"-16	15.20
GA23854-10-10	-10	7/8"-14	18.10
GA23854-12-12	-12	1.1/16"-14	27.25
GA23854-12-16	-16	1.1/16"-14	54.00

### 90° Elbow



0235	To Suit Hose	Flare	£
GA23913-6-6	-6	1.1/16"-16	15.70
GA23913-8-8	-8	1.3/16"-16	16.00
GA23913-10-10	-10	1"-14	19.25
GA23913-12-12	-12	1.3/16"-12	28.95

### 90° Elbow



0235	To Suit Hose	Flare	£
GA23855-6-6	-6	5/8"-18	15.00
GA23855-8-8	-8	3/4"-16	15.20
GA23855-10-10	-10	7/8"-14	18.10
GA23855-12-12	-12	1.1/16"-14	27.25
GA23855-12-16	-16	1.1/16"-14	34.55

### Female 45° Elbow



0235	To Suit Hose	Flare	£
GA23861-6-6	-6	5/8"-18	15.10
GA23861-8-8	-8	3/4"-16	14.90
GA23861-10-10	-10	7/8"-14	18.30
GA23861-12-12	-12	1.1/16"-14	23.25

### Female 90° Elbow



0235	To Suit Hose	Flare	£
GA23862-6-6	-6	5/8"-18	14.55
GA23862-8-8	-8	3/4"-16	15.50
GA23862-10-10	-10	7/8"-14	17.50
GA23862-12-12	-12	1.1/16"-14	23.90

Due to the change of finishes used by our supplier, the product you receive may be different to that illustrated.



## E-Z Clip Hose Fittings

### Straight Splicers with Charge Port



#### High Side

0235	To Suit Hose	£
GA24092-6-6.2	-6	26.90
GA24092-8-8.2	-8	28.40



#### Low Side

0235	To Suit Hose	£
GA24092-10-10.1	-10	30.15
GA24092-12-12.1	-12	31.90

## E-Z Kit



Contents:  
E-Z Kit comprising clips, cages pliers and hose cutter replacement blade.

0235	To Suit Hose	£
FF12139	Up to -12	453.50

## E-Z Clip System - Cages & Clips

Construction: Stainless Steel.  
• Fitting to hose attachment.



### Cages

0235	To Suit Hose	£
1F40105-06C	-6	1.00
1F40105-08C	-8	1.45
1F40105-10C	-10	1.55
1F40105-12C	-12	1.75
1F40105-16C	-16	2.10

Construction: Stainless Steel.  
• Cage connection.



### Clips

0235	To Suit Hose	£
1F40104-06C	-6	0.45
1F40104-08C	-8	0.45
1F40104-10C	-10	0.60
1F40104-12C	-12	0.80
1F40104-16C	-16	1.10

## Air Conditioning Repair Kit



Applications:  
Aluminum repair kit for air conditioning.  
• Hose assemblies.

0235	£
A/C-ALU-KIT	593.05

## E-Z Clip System - Nipple O-Ring



0235	To Suit Hose	£
1F40106-06	-6	0.45
1F40106-08	-8	0.55
1F40106-10	-10	0.60
1F40106-12	-12	0.65

## E-Z Clip Fittings Life Saver

• Requires 1 cage and 2 clips.



0235	To Suit Hose	To Suit Tube O.D. mm	£
GW1172-0806S	-6	8	2.90
GW1172-1206S	-6	12	5.00
GW1172-1008S	-8	10	4.50
GW1172-1208S	-8	12	2.90
GW1172-1608S	-8	16	6.00
GW1172-1210S	-10	12	5.90
GW1172-1610S	-10	16	4.65
GW1172-1810S	-10	18	5.40
GW1172-1612S	-12	16	5.40
GW1172-1812S	-12	18	4.60

## E-Z Clip Pliers/Connecting Tool



0235	To Suit Hose	£
FT1357	Up to -12	90.75

Due to the change of finishes used by our supplier, the product you receive may be different to that illustrated.

# Refrigerant Hose & Fittings

## FC802 & GA494 Reusable Refrigerant Hose



**Temperature Range:** -40°C to +121°C  
**Maximum Working Pressure:** 34 bar

Air conditioning hose exceeds SAE J2064 requirements.  
R134 effusion rate at 80°C: 1.21kg/m<sup>2</sup>/year.  
Moisture ingress: 0.013g/cm<sup>2</sup>/year.  
Applications:  
Fitting type: Reusable.  
Can be used with the following compressor oils: PAG, ester, mineral oil & alkylbenzene.  
Can be used with the following refrigerants: R134a & R404a.  
Further refrigerants & refrigerant oils can be used on request.

FC802, Universal Refrigerant Hose, 1 Metre Lengths				
0235	ID mm	OD mm	bar	£
FC802-6	8.38	17.6	34	13.80
FC802-8	10.67	20	34	15.85
FC802-10	13.2	24	34	22.55
FC802-12	16.51	28	34	26.65



**Temperature Range:** -40°C to +120°C  
**Maximum Working Pressure:** 35 bar

A/C Hose Exceeds SAE J2064 requirements.  
R134 effusion rate at 80°C: 10.0kg/m<sup>2</sup>/year.  
Moisture ingress: 0.01g/cm<sup>2</sup>/year.  
Fitting type: Reusable.  
Applications:  
Can be used with the following compressor oils: PAG, ester only for TRITON SE55, SEZ80. Solest oil 35, Solest oil 68.  
Can be used with the following refrigerants: R134a.  
Further refrigerants & refrigerant oils can be used on request.

GA494, Refrigerant Hose, 1 Metre Lengths				
0235	ID mm	OD mm	bar	£
GA494-16	22.8	31.3	35	37.40
GA494-20	29.3	38.3	35	42.60

### GA494/FC802 Socket Fittings



Ferrules		
0235	To Suit Hose	£
G1210-6K	-6	3.50
G1210-8K	-8	3.30
G1210-10K	-10	6.75
G1210-12K	-12	10.25
G1212-16K	-16	9.50
G1212-20K	-20	15.50

### GA494/FC802 Hose Fittings Female Tube O-Ring Seal Swivel

Note: O-Ring required, please order separately.



Straight, Long Pilot			
0235	To Suit Hose		£
GC6048-0606	-6	5/8"	9.40
GC6048-0808	-8	3/4"	11.60
GC6048-1010E	-10	7/8"	12.50
GC6048-1212E	-12	1.1/16"	18.85

Note: O-Ring required, please order separately.



90° Elbow, Long Pilot			
0235	To Suit Hose		£
GC6573-0606	-6	5/8"	16.95
GC6573-0808	-8	3/4"	18.95
GC6573-1010E	-10	7/8"	22.65
GC6573-1212E	-12	1.1/16"	34.00

### GA494/FC802 Hose Fittings SAE 45° Flares



Male			
0235	To Suit Hose		£
G2402-6	-6	5/8"	8.10
G2402-8	-8	3/4"	10.00
G2402-10E	-10	7/8"	13.15
G2402-12E	-12	1.1/16"	21.00

Note: O-Ring required, please order separately.



45° Elbow, Long Pilot			
0235	To Suit Hose		£
GA12737-6-6	-6	5/8"	16.90
GA12737-8-8	-8	3/4"	18.95
GA12737-10-10E	-10	7/8"	22.65
GA12737-12-12E	-12	1.1/16"	34.00

### O-Rings



Neoprene			
0235	To Suit Hose		£
22546-11	-6		0.50
22546-13	-8		0.50
22546-15	-10		0.50
22546-17	-12 & -16		0.50

# EPDM Hose For Aviation Ground Support Equipment

## Applications:

Aeroquip have developed a new EPDM hose compound intended for use on aviation Ground Support Equipment (GSE) with phosphate ester hydraulic fluids.

GSE allows aircraft hydraulic systems to be tested on the ground without starting the engines. Because straight phosphate ester hydraulic fluids are used in some GSE systems, Aeroquip EPDM hose compound has been specially formulated and tested to provide maximum resistance to their chemically degrading effects.

Please note that these hose styles are for use on support equipment and not on the aircraft itself.

EPDM hose can be selected from three construction choices:

- FC611 one wire braid and FC693 two wire braid constructions for use with TTC (Through-The-Cover) Fittings
- FC636 four spiral wire construction for use with TTC12 (Through-The-Cover) Fittings

## Features:

- Requires no skiving of hose
- High pressure performance up to 5,000 psi operating pressure
- Extensive temperature range from -40° F to +175° F.
- Specifically developed for use with the following phosphate ester fluids:
  - Skydrol LD4
  - Skydrol 500B
  - Hyjet IVA Plus

## Benefits:

- Meets most operating pressure requirements of GSE systems
- Helps provide longer service life in the typical GSE operating temperature ranges



## FC611 Single Wire Braid Medium Pressure

### FC611 - EPDM Hose

	Hose I.D inches	Hose O.D inches	Maximum Operating Pressure psi	Maximum Burst Pressure psi	Maximum Bend Radius inches	Vacuum Service inch/hg	Weight Per Foot pounds	£
FC611-08	0.50	0.80	2000	8000	7.00	28	0.28	24.71
FC611-12	0.75	1.10	1250	5000	9.50	28	0.43	27.19
FC611-16	1.00	1.41	1000	4000	12.00	20	0.60	66.34
FC611-20	1.25	1.71	625	2500	16.50	20	0.80	76.13
FC611-24	1.50	1.99	500	2000	20.00	15	1.02	113.01
FC611-32	2.00	2.52	375	1500	25.00	15	1.28	192.40

## FC693 Double Wire Braided High Pressure

### FC693 - EPDM Hose

	Hose I.D inches	Hose O.D inches	Maximum Operating Pressure psi	Maximum Burst Pressure psi	Maximum Bend Radius inches	Weight Per Foot pounds	£
FC693-04	0.25	0.60	5000	20000	4.00	0.25	28.80
FC693-06	0.38	0.75	4000	16000	5.00	0.36	32.54
FC693-08	0.50	0.87	3500	14000	7.00	0.40	36.15

## FC636 Four Spiral Wire High Pressure

### FC636 - EPDM Hose

	Hose I.D inches	Hose O.D inches	Maximum Operating Pressure psi	Maximum Burst Pressure psi	Maximum Bend Radius inches	Weight Per Foot pounds	£
FC636-12	0.75	1.20	4000	16000	9.50	0.88	100.83
FC636-16	1.00	1.48	4000	16000	12.00	1.17	116.01
FC636-20	1.25	1.83	3000	12000	16.50	1.55	124.24
FC636-24	1.50	2.12	2500	10000	20.00	1.96	165.74



# Service Plug

**NO TOOLS REQUIRED**

**PREVENTS LEAKS & SPILLAGES**

**PREVENTS CONTAMINATION**

**OIL RESISTANT**

**REUSABLE**

## The Helixguard

Service plug is developed

to plug hoses or rigid pipes to avoid oils and chemicals from contaminating the environment and to preserve costly oils and liquids inside systems during maintenance and repair. The Helixguard Service Plug can also be used to protect channels from dust and corrosion or prevent water, dust and pollution from harming a system and components.

**The service plug can be used in channels and holes between 1- 42mm.**

**3 size packages available:**

**1-10mm, 4-22mm and 12-42mm**

**INDUSTRIAL USE ONLY**

**CLEAN PRIOR TO REUSING**

**CAN BE CUT IN LENGTH IF TOO LONG**

**FOR NON PRESSURISED SYSTEMS & VACUUM SYSTEMS**

**PREVENTS WATER, PAINT, DUST & POLLUTION FROM HARMING COMPONENTS**

**Step 1.**



**Step 2.**



**Step 3.**



# Hose Protection

## Service Plugs Micro

- Produced from high quality oil resistant rubber
- Prevents water, paint, dust and pollution from harming components
- For use in non pressurized systems and vacuum systems
- Industrial use only
- No tools needed
- Temperature Range: -25°C to +90°C

Developed to plug hoses or rigid pipes to avoid oils and chemicals from contaminating the environment and preserve costly oils and liquids

### Helixguard Plugs

		£
Yelloc1	1-10mm	3.64
Yelloc2	4-22mm	5.64
Yelloc3	12-42mm	16.27

\* Price each



## Multi Purpose Helixsleeve

- Made from high quality Polypropylene yarn
- Can protect against abrasion and leaks
- Meets requirements of EN/ISO 3457
- MSHA Approved. Resistant to most solvents, oils, acids & alkalis
- Available in 100mtr coils
- Working Temperature: -25°C to +100°C
- Low dirt adhesion
- Black polypropylene



### Polypropylene Yarn HelixSleeve, Price Per Mtr

	ID (mm)	Roll Diameter (mm)	kg	L (mtrs)	£
SLEEVE-20	20	500	2.8	100	4.25
SLEEVE-25	25	500	3.6	100	4.81
SLEEVE-30	30	500	4.3	100	5.17
SLEEVE-35	35	500	4.9	100	5.36
SLEEVE-40	40	500	5.6	100	6.28
SLEEVE-50	50	500	7.1	100	6.47
SLEEVE-70	70	500	9.6	100	8.87
SLEEVE-102	102	500	15.5	100	16.81
SLEEVE-150	150	500	23	100	26.80

\* Price per mtr

## Helixguard Spiral

- Made from HDPE (High Density Polyethylene)
- Standard Colour: Black, available in yellow, blue and red
- Protects against shocks, abrasion and deteriorations
- Available in 20mtr box quantities
- Temperature Range: -30°C to +100°C



Suitable for use with all hydraulics fluids including glycol and phosphate ester based products.

### High Density Polyethylene Helixguard, Price Per Mtr

	ID (mm)	OD (mm)	(mm)	L (mtrs)	£
SGX-16	13	16	1.6	20	6.35
SGX-20	16	20	1.7	20	6.94
SGX-25	20	25	2.1	20	11.05
SGX-29	24	29	2.5	20	13.62
SGX-32	27	32	2.6	20	15.34
SGX-35	30	35	2.7	20	18.40
SGX-40	35	40	2.8	20	20.64
SGX-50	44	50	3	20	25.95
SGX-63	56	63	3.5	20	42.49
SGX-75	65	75	4.3	20	75.78

\* Price per mtr



# Hydraulic Oils

## Hydraulic Oils & Equipment



### Hydraulic Oil 25L Drum

ISO32-25	ISO 32	34.08
ISO46-25	ISO 46	34.08
ISO68-25	ISO 68	34.08

### Hydraulic Oil 205L Barrel

ISO32-205	ISO 32	242.60
ISO46-205	ISO 46	242.60
ISO68-205	ISO 68	242.60

### Hydraulic Oil 1000L IBC

ISO32IBC	ISO 32	999.00
ISO46IBC	ISO 46	999.00
ISO68IBC	ISO 68	999.00

### Bio Hydraulic 25L Drum

ISO46-25BIO	ISO 46 BIO	62.17

### Bio Hydraulic 205L Barrel

ISO46-205BIO	ISO 46 BIO	472.92

### Bio Hydraulic 1000L IBC

ISO46IBC BIO	ISO 46 BIO	1996.60

### Dexron II ATF 25L Drum

ATF-OIL-25	ATF	55.43

### Dexron II ATF 205L Barrel

ATF-OIL-205	ATF	417.64

### Dexron II ATF 1000L IBC

ATF-OIL-IBC	ATF	1768.50

## Oil Pump Kit



### 3:1 Oil Pump System & Digital Oil Control Gun

J300TDGD	298.00

Includes J300 drum pump, 2" bung adaptor, air regulator / lubricator, 3m (10ft) reinforced oil delivery hose and digital oil dispensing gun.

## Oil Dispensing Kit



### 3:1 Mobile Oil Dispensing Kit

J0S200	715.00

For drum sizes from 50kg to 220kg, suitable for dispensing oil at medium/high viscosity, for mobile installations and fixed system at medium distances, the drum trolley allows the system to be moved around the worksite with ease, giving increased efficiency. All items are available separately or in kit form.



# Engine Oils

## Euro, E7 & E9 Oils



### E7 & E9 15W-40 Engine Oil 25L Drum

E7-15W-40-25  
E9-15W-40-25



E7  
E9



46.81  
59.17

### E7 & E9 15W-40 Engine Oil 205L Barrel

E7-15W-40-205  
E9-15W-40-205



E7  
E9



347.01  
448.35

### E7 & E9 15W-40 Engine Oil 1000L IBC

E7-15W-40-IBC  
E9-15W-40-IBC



E7  
E9



1458.00  
1876.50

### Euro 5 10W-40 Engine Oil 25L Drum

EURO5-10W-40-25



Euro 5



70.78

### Euro 5 10W-40 Engine Oil 205L Barrel

EURO5-10W-40-205



Euro 5



533.84

### Euro 5 10W-40 Engine Oil 1000L IBC

EURO5-10W-40-IBC



Euro 5



2322.00

#### E7 15W-40 Engine Oil

Taurus SHPD E7 15W-40 is an ideal choice for use in a very wide range of heavy duty diesel engines such as those found in on-highway applications in trucks and buses, including certain Euro 4 and Euro 5 engines, as well as numerous off-highway applications in the agricultural and construction sectors.

In particular, Taurus SHPD E7 15W-40 is recommended where any of the following industry standard and OEM specifications are required and is backwards compatible to older specifications which preceded them.

#### E9 15W-40 Engine Oil

Taurus SHPD E9 15W-40 has a wide range of applications including OEMs such as Volvo, Scania, Renault, Mercedes, Daf & MAN.

It is an ideal choice for many buses, tractors & off-highway applications particularly where the latest low emission engines are used.

#### Euro 5 10W-40 Oil

Taurus Euro 5 10W-40 is an ultra-high performance diesel engine oil designed specifically to meet the challenge of the most severe lubrication requirements of the latest European and North American heavy duty diesel engines, particularly the low emission Euro 4 and Euro 5 engines running under the extreme demands of significantly extended oil change periods together with the clean performance requirements of these standards.

## Lithium No.2 Grease Cartridge

Multi purpose bearing grease No.2 consistency for conventional applications.



0088



EP2	400G	1.92
EP2-36	36 Box (400G)	51.12
EP2-12.5KG	12.5KG	36.75
EP2-50KG	50KG	143.50

## ON SITE HOSE REPAIR

Hydraquip Hose & Hydraulics operates the largest independent fleet of Mobile On Site Workshops in the UK, offering a nationwide service to a wide cross section of industries and clients. The fleet is operated by experienced engineers who are trained to current industry standards providing a full national coverage.

With engineers located nationally across the UK, Hydraquip aim to be on site within 1hour from the initial call out. In rare circumstances when delays are unavoidable, our call centre will advise an honest and realistic response time with updates of eta's till an engineer reaches your site. Our engineers are fully trained to the latest industry standards to ensure repairs are carried out with minimum downtime, with a success rate of 99% of first time repairs carried out on site.

### BREAKDOWNS

- One National Number
- 24/7 National Coverage
- Realistic & Honest Response Times
- Satellite Tracked
- Updated ETA's
- 99% First Time Repairs

### ACCREDITATION & APPROVAL

- ISO 9001-2008 Approval
- BFPDA Member
- BFPDA Qualified Engineers
- Licensed Hose Disposal
- Engineers Trained To Industry Standards

### ADMINISTRATION

- Instant Job Feedback
- Centralised Invoicing
- Contract Pricing
- Single Monthly Statement

### PREVENTION

- Mobile & Fixed Plant Hose Audits
- Hose Management Systems
- Hose Stock Management
- Pre Agreed Visits

### SUPPORT

- Independent (Non Franchise) Company
- Experienced & Knowledgeable Staff
- Complete Hydraulic Service Provider
- Extensive Range Of Fluid Power Products
- Focus On Long Term Partnerships



24/7 On Site National Hose Repair Service **0845 812 0212**



## HYDRAULIC ENGINEERING

The hydraulic engineering division provides a single supplier solution for most hydraulic requirements across a number of industries. Hydraquip's engineering team have become recognised as a leading provider of hydraulic solutions and have won and serviced contracts throughout the UK and Europe.

Contracts in areas such as Aviation – flight simulators, Marine – hydraulic hoists, Bascule Bridge system, Manufacturing Plants – assorted hydraulic systems, Paper Processing Plant – full spares supply and planned maintenance contracts, Rail – maintenance contracts and also in zoo's – various hydraulic systems.

### THE TEAM

- NFPC/CETOP Qualified Engineers
- Experienced Time Served Engineers
- Fully Equipped
- Extensive Experience & Knowledge

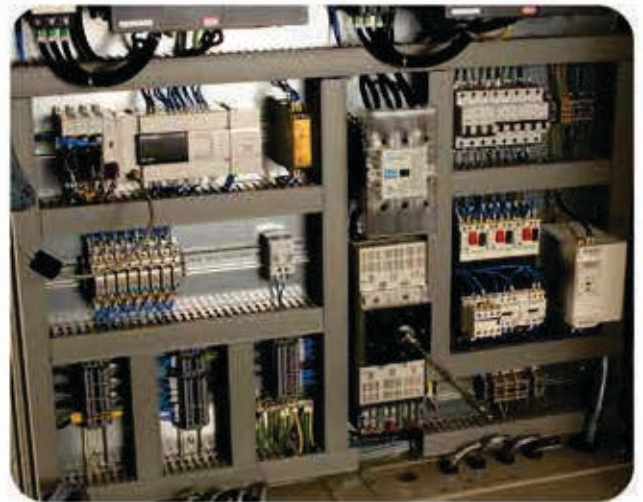


### SERVICES

- Mobile & Fixed System Capabilities
- Fault Finding & Diagnostics
- Turnkey Solutions
- Single To Full System Repairs
- System Enhancements
- Full Repair Service Facilities
- Component Sourcing
- Pre-agreed Maintenance Contracts
- Fully Tested & Certified Repairs

### ADMINISTRATION

- Fixed Price Quotation
- Agreed Scope Of Work
- Written Acknowledgement Of Proposed
- Additional Work
- Single Monthly Statement





# HYDRAULIC POWER PACKS

Many requests start off as simple ideas or notes supplied by the customer with little or no technical details only a final objective that is required, the rest is left to Hydraquip's trained engineers to provide a design solution. These challenges are rarely off the shelf and require a complete understanding of both the operational features required and the capability of the components.

Hydraquip's standard hydraulic power pack range can be built and despatched on very short lead times with a stock of basic hydraulic power pack units available for same day despatch when ordered before 12 noon. These are supplied as a basic configuration, with customised options available to meet the exact requirements of the customer. These power packs are available with flow rates from 2.4lpm to 21lpm at pressures from 55 to 225 bar and a wide choice of optional extras.

## DESIGN

- From Concept Or Drawing
- Working In Partnership With Customers
- Integration Of Ideas & Solutions
- Meeting Customer Requirements
- Experienced Design Team

## MANUFACTURE

- Components From Major Manufacturers
- Full Customer Access Throughout The Build
- Experienced & Quality Workmanship
- Full Documentation & Certification
- Fully Tested

## INSTALLATION

- Full Or Partial Project Management
- Final Commissioning To Customer's Satisfaction
- Working Alongside Ancillary Trades If Required
- Full & Final Documentation

## SUPPORT

- Tailored Service Contracts
- Individual Servicing & Repairs
- Inspection & Recommendations On Existing Packs
- Extended Warranties Available



Off The Shelf Power Packs  
From £695.00



Bespoke Power Packs



## TRADE COUNTERS

Each hydraulic trade counter carries a comprehensive stock of fluid power products including hydraulic hose & fittings, industrial hose & fittings, oils, pneumatic components, hydraulic valves, gauges, pumps, hose reels and many other fluid power and hydraulic products.

Hydraquip has access to over 48,000+ fluid power products, supplying a number of reputable brands throughout the fluid power industry, the majority are available for a next day delivery. The full ranges of products are supplied locally, nationally and to export customers to promote a national, yet local service to customers. Supplying into various industries which cover Agriculture, Aviation, Construction, Manufacturing, Marine, Motorsport, Offshore, Plant Hire, amongst some of them.

### SERVICES

- Trade Counters
- Factory Store Partnerships
- Volume Assembly Manufacturer
- 1,000+ Page Fluid Power Catalogue
- 10,000's Fluid Power Items
- Instant Over The Counter Service

### PRODUCTS

- Hydraulic Assemblies
- Rubber Hose Assemblies
- Industrial Couplings
- Pneumatic Components
- Solenoid Valves
- Ball & Gate Valves
- Bulk Delivery Hoses
- PTFE Assemblies
- Prototypes
- Hose Kits
- Multi Component Kits

### ADMINISTRATION

- Scheduled Or Just In Time Deliveries
- Kanban
- Bespoke Labelling
- Own Part Numbering
- Clear Invoicing

### SUPPORT

- Hydraquip Branches Across The UK
- Experienced & Knowledgeable Staff
- Complete Hydraulic Service Provider
- Extensive Range Of Fluid Power Products
- Focus On Long Term Partnerships





# 24/7, 365 Days National Mobile Hose Replacement Service

## 0845 812 0212

### DEPOT LOCATIONS

#### ADISHAM

Station Approach  
Adisham, Canterbury, Kent CT3 3JE  
t: 01304 840 650 f: 01304 840 675  
e: adisham@hydraquip.co.uk

#### BLAYDON

2 Cowen Road, Blaydon  
Tyne & Wear NE21 5TW  
t: 0191 414 2491 f: 0191 414 3317  
e: blaydon@hydraquip.co.uk

#### BOLTON

High Bay Unit, Mikar Business Park, Northolt Drive  
Bolton, Lancashire BL3 6RE  
t: 01204 274 270 f: 01204 224 311  
e: bolton@hydraquip.co.uk

#### CRAWLEY

Unit 2 & 3, Raleigh Court, Priestley Way  
Crawley, West Sussex RH10 9PD  
t: 01293 615 166 f: 01293 614 965  
e: crawley@hydraquip.co.uk

#### GRIMSBY

Unit 2, Block 4 Worldwide Way, Kiln Lane Trading Estate  
Stallingborough DN41 8DY  
t: 01469 578 515 f: 01469 578 267  
e: grimsby@hydraquip.co.uk

#### LETCHWORTH

Unit 10, Such Close, Letchworth Garden City  
Hertfordshire SG6 1JF  
t: 01462 379 585 f: 01462 889 279  
e: lechworth@hydraquip.co.uk

### METAL HOSE DIVISION

#### BOLTON

High Bay Unit, Mikar Business Park, Northolt Drive  
Bolton, Lancashire BL3 6RE  
t: 0845 260 4336 f: 0845 260 4337  
e: metal@hydraquip.co.uk

### BRAIDED HOSE DIVISION

#### ROCHESTER

11 Stirling Park, Laker Road  
Rochester, Kent ME1 3QR  
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e: hq@hydraquip.co.uk

#### LONDON SE

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e: londonse@hydraquip.co.uk

#### PURFLEET

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e: purfleet@hydraquip.co.uk

#### REDHILL

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e: ram@hydraquip.co.uk

#### STROOD

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Medway City Estate, Strood, Kent ME2 4NR  
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e: strood@hydraquip.co.uk

#### WREXHAM

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Wrexham Industrial Estate, Wrexham LL13 9XN  
t: 01978 690 601 f: 01978 690 602  
e: wrexham@hydraquip.co.uk

### LINDEN HOSE & ADAPTORS LTD

#### HARTLEPOOL

Unit 4C, Ullswater Road  
Long Hill Industrial Estate, Hartlepool TS25 1UE  
t: 01429 860 071 f: 01429 861 289  
e: am@lindengroup.co.uk

#### NEWTON AYCLIFFE

Leaside North, Aycliffe Industrial Park  
Newton Aycliffe, Co Durham DL5 6DU  
t: 01325 311 331 f: 01325 300 128  
e: sales@lindengroup.co.uk