

# EUROFLOW TYPE

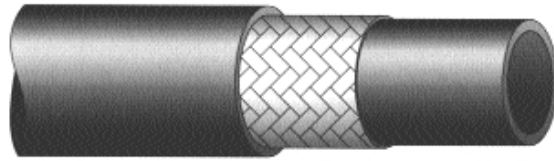
## multipurpose 1 wire

# 702

A multi-purpose high pressure hose suitable for hydraulic systems. Type 702 is compatible with hydraulic oils, grease, fuel oils, mineral oils and most phosphate esters. For water and water-based hydraulic fluids, temperature is limited to 70 C.

This hose is also suitable for many industrial gases, e.g. Heliox (max. 25% O<sub>2</sub>), Argon, Nitrogen, Carbon Dioxide, Helium and Air. However, such applications should avoid environments which could lead to corrosion of hose wire. Refer to BS6596 for recommended factors of safety.

Hoses for gas applications require a pin-pricked cover please specify at time of ordering.



### Construction

Type 702 consists of an unplasticised polyester elastomer tube reinforced with one braid of brass coated high tensile steel wire with a black polyurethane outer cover.

### Specification

This hose meets Europower DMQ approved specifications when impulse tested at 125% of the stated dynamic working pressure, using designated Europower permanently swaged fittings. Impulse, working and burst pressure requirements of SAE100RI, BS4983 1984 TYPE 2, DIN 24951 pt2 and ISO 3949 are also substantially exceeded (by up to 76%).

### Fittings

Europower X series non-skived permanently swaged fittings are fully DMQ approved.

### Performance

- \* Min/max continuous service temperature range -40 C to 100 C (water and water-based fluids limited to 70 C).
- \* Low volumetric expansion giving excellent hydraulic response times.
- \* Low ID to OD ratios, slim, lightweight (generally 65% of equivalent rubber hose).
- \* Electrical conductivity: less than 1.0 ohms/metre.
- \* Good chemical resistance and inert to most atmospheric conditions.

### Applications

- \* Hydraulic Lines
- \* Mechanical Handling
- \* Construction Equipment
- \* Gas Applications
- \* Chemical Transfer

HOSE TYPE	NOMINAL INSIDE DIAMETER		NOMINAL OUTSIDE DIAMETER		MINIMUM BEND RADIUS		DYNAMIC WORKING PRESSURE		MINIMUM BURST PRESSURE		WEIGHT		FERRULE PART NO
	IN	M M	IN	M M	IN	M M	PSI	BAR	PSI	BAR	LB/FT	KG/M	
702-03	3/16	4.8	0.37	9.4	1.2	30	5250	362	21000	1448	0.08	0.12	X03HR1
702-04	1/4	6.7	0.46	11.7	1.6	40	4500	310	18000	1245	0.11	0.16	X04HR1
702-05	5/16	8.3	0.53	13.4	2.0	50	3500	240	14000	963	0.13	0.19	X05HR1
702-06	3/8	9.9	0.60	15.1	2.4	60	3250	224	13000	896	0.15	0.23	X06HR1
702-08	1/2	13.1	0.72	18.3	3.0	75	2750	190	11000	758	0.20	0.30	X08HR1
702-10	5/8	16.3	0.85	21.5	4.3	110	1875	130	7500	517	0.24	0.35	X10HR1
702-12	3/4	19.6	1.00	25.5	6.7	170	1750	120	7000	483	0.29	0.43	X12HR1
702-16	1	25.9	1.25	31.8	9.1	230	1500	103	6000	414	0.38	0.56	X16HR1



Europower Hydraulics Limited, Southgate, Market Weighton, York YO4 3BG

Tel: 01430 872361 Fax: 01430 872230

BSEN ISO 9000 Approved Company

THERMOPLASTIC

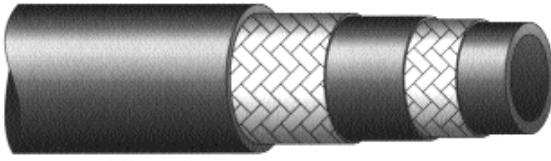
multipurpose 1 wire



703

EUROFLOW TYPE

multipurpose 2 wire



A multi-purpose extra high pressure hose suitable for hydraulic systems. Type 703 is compatible with hydraulic oils, grease, fuel oils, mineral oils and most phosphate esters.

For water and water-based hydraulic fluids, temperature is limited to 70 C.

This hose is also suitable for many industrial gases, e.g. Heliox (max. 25% O<sub>2</sub>), Argon, Nitrogen, Carbon Dioxide, Helium and Air. However, such applications should avoid environments which could lead to corrosion of hose wire. Refer to BS6596 for recommended factors of safety.

Hoses for gas applications require a pin-pricked cover please specify at time of ordering.

### Performance

- \* Min/max continuous service temperature range -40 C to 100 C (water and water-based fluids limited to 70 C).
- \* Low volumetric expansion giving excellent hydraulic response times.
- \* Low ID to OD ratios, slim, lightweight (generally 76% of equivalent rubber hose).
- \* Electrical conductivity: less than 1.0 ohms/metre.
- \* Good chemical resistance and inert to most atmospheric conditions.

### Applications

- \* Hydraulic Lines
- \* Mechanical Handling
- \* Construction Equipment
- \* Gas Applications
- \* Chemical Transfer

### Construction

Type 703 consists of an unplasticised polyester elastomer tube reinforced with two braids of brass coated high tensile steel wire, separated by a thermoplastic cushion interlayer to eliminate friction between braids and improve impulse life. The outer cover is black polyurethane.

### Specification

This hose meets the Europower DMQ approved specifications when impulse tested at 133% of the stated dynamic working pressure, using approved Europower permanently swaged fittings. The hose also meets the impulse, working and burst pressure requirements of DIN20022 2ST (except - 10) and exceeds SAE100R2 and BS3832 TYPE 2.

### Fittings

Europower X series non-skived permanently swaged fittings are fully DMQ approved.

HOSE TYPE													FERRULE PART NO
	IN	MM	IN	MM	IN	MM	PSI	BAR	PSI	BAR	LB/FT	KG/M	
703-04	1/4	6.7	0.54	13.7	1.6	40	5800	400	28000	1930	0.21	0.31	X04HR2
703-05	5/16	8.3	0.60	15.2	2.0	50	5000	350	25000	1724	0.23	0.35	X05HR2
703-06	3/8	9.9	0.67	17.0	2.4	60	4800	330	22000	1517	0.28	0.42	X06HR2
703-08	1/2	13.1	0.80	20.2	3.0	75	4000	275	17000	1172	0.34	0.51	X08HR2
703-10	5/8	16.3	0.92	23.4	4.3	110	3250	224	13000	896	0.42	0.62	X10HR2
703-12	3/4	19.6	1.07	27.1	6.7	170	3100	215	13000	896	0.50	0.73	X12HR2
703-16	1	25.9	1.35	34.3	9.1	230	2400	165	11000	758	0.65	0.98	CX16AC



Europower Hydraulics Limited, Southgate, Market Weighton, York YO4 3BG

Tel: 01430 872361 Fax: 01430 872230

BSEN ISO 9000 Approved Company

