

# EUROFLOW TYPE

# 737

## SAE 100R8 (to 100R7 dimensions)

SAE 100R8 BS4983 Type 2  
ISO3945

An all-purpose high pressure hose meeting SAE 100R8 working pressure standards and benefiting from the increased flexibility of SAE 100R7 dimensions. Suitable for many hydraulic and pneumatic systems., type 737 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. Refer to BS6596 for recommended factors of safety.

Hose type 737 has a non-pricked cover. For gas applications a pin-pricked cover is recommended which must be specified at time of ordering.

### Construction

Hose type 737 comprises of a polyester elastomer tube reinforced with a single braid of polyaramid fibre, and a black polyurethane outer cover.

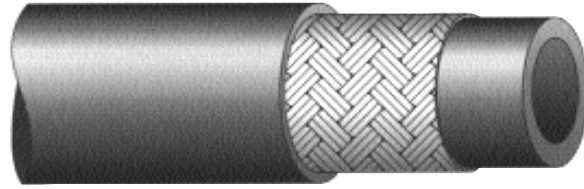
### Specification

The hoses meet Europower DMQ approval specifications when impulse tested at 133% of the stated dynamic working pressure, using approved Europower permanently swaged fittings.

The hose also meets the following international standards: SAE100R8, BS4983 Type 2, ISO 3949-2.

### 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 ID to OD ratios, slim and lightweight.
- \* First-rate stability - change in length maximum +/- 2%.
- \* Excellent flexibility and flex fatigue resistance throughout temperature range.

### Applications

- \* General Hydraulics
- \* Mechanical Handling
- \* Pressure Jetting
- \* Machine Tools
- \* Construction Equipment

### Options

1. Type 837 is available with a non-conductive, non-perforated orange cover.

### Note

1. Also available as Supertwin 736.

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	
737-03	3/16	5.1	0.41	10.4	1.5	38	5000	345	20000	1380	0.05	0.08	X03-737
737-04	1/4	6.5	0.49	12.3	2.0	51	5000	345	20000	1380	0.07	0.11	X04-737
737-05	5/16	8.3	0.57	14.5	2.2	56	4500	310	18000	1241	0.09	0.14	X05-737
737-06	3/8	9.8	0.63	15.9	2.5	64	4000	275	16000	1100	0.10	0.15	X06-737
737-08	1/2	13.0	0.78	19.7	3.2	82	3500	240	14000	965	0.13	0.20	X08-737



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

Tel: 01430 872361 Fax: 01430 872230

BSEN ISO 9000 Approved Company

THERMOPLASTIC

SAE 100R8 (to 100R7 dimensions)

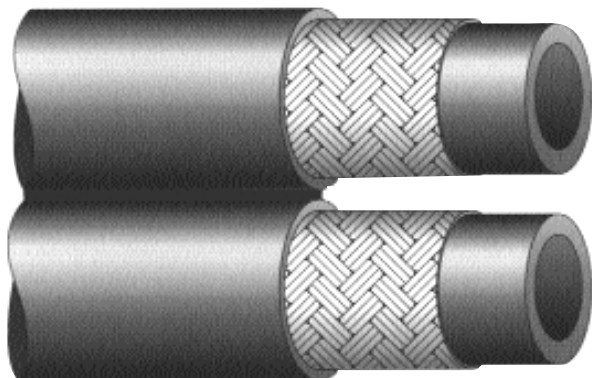
SAE 100R8



736

EUROFLOW TYPE

SAE 100R8 supertwin (to 100R7



SAE 100R8

BS4983 Type 2

ISO3945

An all-purpose high pressure hose meeting SAE 100R8 working pressure standards and benefiting from the increased flexibility of SAE 100R7 dimensions. Suitable for many hydraulic and pneumatic systems, type 736 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. Refer to BS6596 for recommended factors of safety.

Hose type 736 has a non-pricked cover. For gas applications a pin-pricked cover is recommended which must be specified at time of ordering.

### Construction

Type 736 consists of two unplasticised polyester elastomer tubes, each reinforced with one braid of polyaramid fibre. The hose is then extruded together with a black polyurethane cover to form a Siamese hose. This construction provides easier parting than a welded construction.

### Specification

The hoses meet Europower DMQ approval specifications when impulse tested at 133% of the stated dynamic working pressure, using approved Europower permanently swaged fittings.

The hose also meets the following international standards:

SAE100R8, BS4983 Type 2, ISO 3949-2.

### Performance

- \* Min/max continuous service temperature range -40 C to 100 C (water and water-based fluids limited to 70 C).
- \* Low ID to OD ratios, slim and lightweight.
- \* First-rate stability - change in length maximum +/- 2%.
- \* Excellent flexibility and flex fatigue resistance throughout temperature range.

### Applications

- \* General Hydraulics
- \* Mechanical Handling
- \* Pressure Jetting
- \* Machine Tools
- \* Construction Equipment

### Fittings

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

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	
736-04	1/4	6.5	0.49	12.3	2.0	51	5000	345	20000	1380	0.14	0.21	X04-737
736-05	5/16	8.3	0.57	14.5	2.2	56	4500	310	18000	1241	0.18	0.27	X05-737
736-06	3/8	9.8	0.63	15.9	2.5	64	4000	275	16000	1100	0.20	0.31	X06-737
736-08	1/2	13.0	0.78	19.7	3.2	82	3500	240	14000	965	0.26	0.39	X08-737



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

Tel: 01430 872361 Fax: 01430 872230

BSEN ISO 9000 Approved Company

