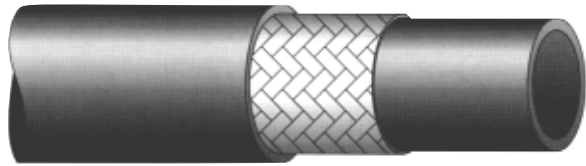


## SAE 100R8 (to 100R7 dimensions)

SAE 100R8      BS4983 Type 2  
ISO3949-2

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 837 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.



### Construction

Hose type 837 comprises of a polyester elastomer tube reinforced with a single braid of polyaramid fibre, and an orange polyurethane outer cover.

### Specification

The hose meets 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:

SAE 100R8, BS4983 Type 2, ISO 3949-2.

### Fittings

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

### Options

1. Type 737 is available with a non-perforated black cover.

### Performance

- \* Non-conductive (hose meets SAE 100R8 conductivity requirements, wherein maximum leakage shall not exceed 50 micro amps when subjected to 75 kilovolts per foot for 5 minutes).
- \* 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.
- \* Min/max continuous service temperature range 40 C to 100 C (water and water-based fluids limited to 70 C).

### Applications

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

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	
837-03	3/16	5.1	0.41	10.4	1.5	38	5000	345	20000	1380	0.05	0.08	X03-737
837-04	1/4	6.5	0.49	12.3	2.0	51	5000	345	20000	1380	0.07	0.11	X04-737
837-05	5/16	8.3	0.57	14.5	2.2	56	4500	310	18000	1241	0.09	0.14	X05-737
837-06	3/8	9.8	0.63	15.9	2.5	64	4000	275	16000	1100	0.10	0.15	X06-737
837-08	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 YO43 3BG

Tel: 01430 872361 Fax: 01430 872230

BSEN ISO 9002 Approved Company

