590 – Hybrid high pressure hose

Performance exceeds SAE 100 R2



Main features

- Excellent abrasion resistance
- **Small bend radii**
- Special pressure reinforcement construction made of steel wire/textile fibre
- **Excellent flexibility**
- **Low weight**

Applications

High pressure service for general industrial and mobile hydraulic applications. **Especially suited for telescoping booms of telehandlers and loading cranes** – frequently used as twinline hose.

Construction

Core tube	: Polyester elastomer
Pressure reinforcement	: High tensile wire, or a combination of wire and aramide fibre
Cover	: Polyurethane
Colour	: black

Temperature range

-40°C up to +121°C for petroleum, max. 57°C for synthetic hydraulic fluids and water-based hydraulic fluids.

Part No. #	DN	size mm	size inch	mm	Max. working pressure MPa	Max. working pressure psi	Min. burst pressure MPa	Min. burst pressure psi	Min. bend radius mm	Weight kg/m	Fittings
590-3	5	-03	3/16	10.9	34.5	5,000	138.0	20,000	38	0.15	55
590-4	6	-04	1/4	13.0	34.5	5,000	138.0	20,000	44	0.21	55
590-6	10	-06	3/8	16.3	27.5	4,000	110.0	16,000	57	0.29	56
590-8	12	-08	1/2	19.8	24.0	3,500	96.0	14,000	83	0.37	56
590-10	16	-10	5/8	24.6	21.0	3,000	83.0	12,000	152	0.57	56
590-12	20	-12	3/4	27.9	17.5	2,500	69.0	10,000	178	0.66	58
590-16	25	-16	1	36.1	14.0	2,000	55.0	8,000	203	0.88	58

Notes

Also available as twinline or multiline hose, see page XXIII.