590TJ – ToughJACKET™ 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	inch	mm	Max. working pressure MPa / psi		Min. burst pressure MPa / psi		Min. bend radius mm	Weight kg/m	Fittings
590TJ-4	6	-04	6.3	1/4	12.5	34.5	5,000	140.0	20.305	44	0.20	56
590TJ-6	10	-06	10.0	3/8	16.3	27.6	4,000	112.0	16.244	57	0.29	56
590TJ-8	12	-08	12.5	1/2	19.3	24.1	3,500	96.5	14.213	82	0.36	56
590TJ-12	20	-12	19.0	3/4	28.0	17.2	2,500	68.9	10.000	120	0.58	43/48*
590TJ-16	25	-16	25.0	1	36.0	13.8	2,000	56.0	8.122	150	1.06	43/48*

*: For details please review HPDE fitting product range in CAT4400

Notes

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

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