# 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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