# 492ST

## *Elite No-Skive* Super Tough Compact

EN 857 1SC – ISO 11237 Type 1SC




- *No-Skive* hose construction – Compact design
- Nitrile (NBR) inner tube – extended fluid compatibility
- Extreme abrasion resistant SUPER TOUGH cover
- Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance

### Primary Applications

Mobile market: Medium pressure hydraulic applications with extremely high abrasion risks

### Applicable Specifications

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### Construction

Tube: Nitrile (NBR)
Reinforcement: One high-tensile steel wire braid
Cover: Synthetic rubber with a special polyethylene coating

### Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.
Consult the chemical compatibility section on pages ***Ab-22*** to ***Ab-30*** for more detailed information.

### Fitting Series

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| Part Number | Hose I.D. | | | | Hose O.D. | Pressure Rating: max. working pressure | | Pressure Rating: min. burst pressure | | min. bend radius | weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | DN | Inch | Size | mm | mm | MPa | psi | MPa | psi | mm | kg |
| 492ST-4 | 6 | 1/4 | -4 | 6.4 | 12.0 | 28.0 | 4000 | 112.0 | 16240 | 75 | 0.18 |
| 492ST-5 | 8 | 5/16 | -5 | 7.9 | 13.6 | 25.0 | 3625 | 100.0 | 14500 | 85 | 0.21 |
| 492ST-6 | 10 | 3/8 | -6 | 9.5 | 15.5 | 22.5 | 3260 | 90.0 | 13050 | 90 | 0.25 |
| 492ST-8 | 12 | 1/2 | -8 | 12.7 | 18.9 | 19.0 | 2755 | 76.0 | 11020 | 130 | 0.33 |
| 492ST-10 | 16 | 5/8 | -10 | 15.9 | 22.3 | 15.0 | 2175 | 60.0 | 8700 | 150 | 0.41 |
| 492ST-12 | 19 | 3/4 | -12 | 19.1 | 26.0 | 15.0 | 2175 | 60.0 | 8700 | 180 | 0.56 |
| 492ST-16 | 25 | 1 | -16 | 25.4 | 33.6 | 11.0 | 1595 | 44.0 | 6380 | 230 | 0.75 |
| 492ST-20 | 31 | 1 1/4 | -20 | 31.8 | 40.0 | 7.5 | 1085 | 30.0 | 4350 | 335 | 0.93 |

The combination of high temperature and high pressure could reduce the hose life.

### Hose layline example






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