

477TC

Elite No-Skive PowerLift Tough Cover

2 wire braided

Primary Applications

For truck cranes and lifting equipment such as fork lift trucks, aerial lifts, cranes, telehandlers, lifting platforms.

Restrictions

Should not be used for high impulse hydraulic applications to replace spiral construction hoses.

Construction

Inner Tube: Nitrile (NBR)
Reinforcement: Two high-tensile steel wire braids
Cover: MSHA approved synthetic rubber

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

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



- **No-Skive** hose construction
– Compact design
- Smaller bend radius and reduced outside diameter bringing a significant advantage in terms of space and weight on compact equipment
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

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-26** to **Ab-34** for more detailed information.

Fitting Series



| Part Number | Hose I.D. | | | | Hose O.D. mm | Pressure Rating | | | | min. bend radius mm | weight kg |
|-------------|-----------|------|------|------|-----------------|------------------------------|------|----------------------------|-------|------------------------|--------------|
| | DN | Inch | Size | mm | | max. working pressure MPa | psi | min. burst pressure MPa | psi | | |
| 477TC-4 | 6 | 1/4 | -4 | 6.4 | 13.1 | 45.0 | 6500 | 180.0 | 26000 | 65 | 0.32 |
| 477TC-5 | 8 | 5/16 | -5 | 7.9 | 14.9 | 42.5 | 6100 | 170.0 | 24400 | 70 | 0.35 |
| 477TC-6 | 10 | 3/8 | -6 | 9.5 | 17.2 | 40.0 | 5800 | 160.0 | 23200 | 75 | 0.42 |
| 477TC-8 | 12 | 1/2 | -8 | 12.7 | 20.4 | 38.0 | 5500 | 152.0 | 22000 | 105 | 0.55 |
| 477TC-10 | 16 | 5/8 | -10 | 15.9 | 23.4 | 35.0 | 5000 | 140.0 | 20000 | 160 | 0.65 |
| 477TC-12 | 19 | 3/4 | -12 | 19.1 | 27.2 | 35.0 | 5000 | 140.0 | 20000 | 200 | 1.10 |
| 477TC-16 | 25 | 1 | -16 | 25.4 | 34.8 | 28.0 | 4000 | 112.0 | 16000 | 250 | 1.34 |

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

Hose layline example

