

# 187TC

## No-Skive GlobalCore Tough Cover

Exceeds ISO 18752-AS

### Primary Applications

Designed, build and tested to the ISO 18752 performance specifications. For high pressure return line applications in all markets.

### Applicable Specifications

ISO 18752-AS

### Construction

Inner tube: Synthetic rubber  
Reinforcement: Two high-tensile steel wire braids  
Cover: Highly abrasion resistance  
MSHA approved synthetic rubber

Temperature Range ..... -40 °C up to +125 °C

For -40 & -48 sizes -40 °C up to +100 °C

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C



- GlobalCore - *No-Skive*
- Synthetic rubber inner tube provides a wider range of fluid compatibility
- 7 MPa constant working pressure
- 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

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

### Fitting Series

Series 43/48 for sizes -8 to -32



Series 48 2piece for sizes -40 to -48



| Part Number | Hose I.D. |       |      |      | Hose O.D.<br>mm | Pressure Rating                    |      |                                  |      | Vaccum*<br>kPa | min. bend<br>radius<br>mm | weight<br>kg |
|-------------|-----------|-------|------|------|-----------------|------------------------------------|------|----------------------------------|------|----------------|---------------------------|--------------|
|             | DN        | Inch  | Size | mm   |                 | max.<br>working<br>pressure<br>MPa | psi  | min.<br>burst<br>pressure<br>MPa | psi  |                |                           |              |
| 187TC-8     | 12        | 1/2   | -8   | 12.7 | 21.0            | 7.0                                | 1000 | 28.0                             | 4000 | 80             | 65                        | 0.43         |
| 187TC-10    | 16        | 5/8   | -10  | 15.9 | 24.0            | 7.0                                | 1000 | 28.0                             | 4000 | 80             | 75                        | 0.49         |
| 187TC-12    | 19        | 3/4   | -12  | 19.1 | 27.0            | 7.0                                | 1000 | 28.0                             | 4000 | 80             | 90                        | 0.63         |
| 187TC-16    | 25        | 1     | -16  | 25.4 | 36.0            | 7.0                                | 1000 | 28.0                             | 4000 | 80             | 114                       | 0.91         |
| 187TC-20    | 31        | 1 1/4 | -20  | 31.8 | 44.0            | 7.0                                | 1000 | 28.0                             | 4000 | 80             | 140                       | 1.85         |
| 187TC-24    | 38        | 1 1/2 | -24  | 38.1 | 52.0            | 7.0                                | 1000 | 28.0                             | 4000 | 80             | 248                       | 1.96         |
| 187TC-32    | 51        | 1     | -32  | 50.8 | 65.0            | 7.0                                | 1000 | 28.0                             | 4000 | 80             | 318                       | 2.60         |
| 187TC-40    | 63        | 2 1/2 | -40  | 63.5 | 75.0            | 7.0                                | 1000 | 28.0                             | 4000 | 80             | 508                       | 3.04         |
| 187TC-48    | 76        | 3     | -48  | 76.2 | 91.0            | 7.0                                | 1000 | 28.0                             | 4000 | 80             | 508                       | 4.12         |

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

### Hose layline example

