

# 731

## No-Skive Multispiral

Exceeds ISO 3862 Type 4SH –  
EN 856 Type 4SH

### Primary Applications

General high pressure hydraulic applications

### Applicable Specifications

Exceed ISO 3862 Type 4SH – EN 856 Type 4SH

### Construction

Inner tube: Synthetic rubber  
Reinforcement: Four spiral high-tensile steel wire  
Cover: Synthetic rubber

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

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



- **No-Skive** hose construction
- Reinforcement of four spiral high-tensile steel wire

### 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



| Part Number | Hose I.D. |       |      |      | Hose O.D.<br>mm | Pressure Rating              |      |                            |       | min. bend radius<br>mm | weight<br>kg |
|-------------|-----------|-------|------|------|-----------------|------------------------------|------|----------------------------|-------|------------------------|--------------|
|             | DN        | Inch  | Size | mm   |                 | max. working pressure<br>MPa | psi  | min. burst pressure<br>MPa | psi   |                        |              |
| 731-12      | 19        | 3/4   | -12  | 19.1 | 32.0            | 42.0                         | 6000 | 168.0                      | 24000 | 280                    | 1.72         |
| 731-16      | 25        | 1     | -16  | 25.4 | 39.0            | 38.0                         | 5500 | 152.0                      | 22000 | 340                    | 2.14         |
| 731-20      | 31        | 1 1/4 | -20  | 31.8 | 45.0            | 32.5                         | 4700 | 130.0                      | 18800 | 460                    | 2.96         |
| 731-24      | 38        | 1 1/2 | -24  | 38.1 | 53.0            | 29.0                         | 4200 | 116.0                      | 16800 | 560                    | 3.20         |
| 731-32      | 51        | 2     | -32  | 50.8 | 68.0            | 25.0                         | 3600 | 100.0                      | 14400 | 700                    | 5.30         |

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

Hose layline example

|  |                                                                                      |
|--|--------------------------------------------------------------------------------------|
|  | NO-SKIVE 731-12 WP 42,0 MPa (6000 PSI) MSHA XXXX 19 mm (3/4) X 4S EN 856-4SH/20/4Q91 |
|--|--------------------------------------------------------------------------------------|

## 731TC

### No-Skive Multispiral

ISO 3862 Type 4SH – EN 856 Type 4SH

#### Primary Applications

General high pressure hydraulic applications

#### Type Approvals

Details please find on pages **Ab-16** to **Ab-19**

#### Applicable Specifications

ISO 3862 Type 4SH – EN 856 Type 4SH

#### Construction

Inner tube: Synthetic rubber  
Reinforcement: Four spiral high-tensile steel wire  
Cover: Highly abrasion resistance  
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
- Reinforcement of four spiral high-tensile steel wire
- 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



| Part Number | Hose I.D. |       |      |      | Hose O.D.<br>mm | Pressure Rating              |      |                            |       | min. bend radius<br>mm | weight<br>kg |
|-------------|-----------|-------|------|------|-----------------|------------------------------|------|----------------------------|-------|------------------------|--------------|
|             | DN        | Inch  | Size | mm   |                 | max. working pressure<br>MPa | psi  | min. burst pressure<br>MPa | psi   |                        |              |
| 731TC-12    | 19        | 3/4   | -12  | 19.1 | 32.0            | 42.0                         | 6000 | 168.0                      | 24000 | 280                    | 1.72         |
| 731TC-16    | 25        | 1     | -16  | 25.4 | 39.0            | 38.0                         | 5500 | 152.0                      | 22000 | 340                    | 2.14         |
| 731TC-20    | 31        | 1 1/4 | -20  | 31.8 | 45.0            | 32.5                         | 4700 | 130.0                      | 18800 | 460                    | 2.96         |
| 731TC-24    | 38        | 1 1/2 | -24  | 38.1 | 53.0            | 29.0                         | 4200 | 116.0                      | 16800 | 560                    | 3.20         |
| 731TC-32    | 51        | 2     | -32  | 50.8 | 68.0            | 25.0                         | 3600 | 100.0                      | 14400 | 700                    | 5.30         |

Replace the hose when any deformation or damage on the hose cover are visible.  
The combination of high temperature and high pressure could reduce the hose life.

Hose layline example

**Parker TOUGH COVER 731TC-12 WP 42.0 MPa (6000 PSI) MSHA IC 40/26 | • • 19 mm (3/4) X 4S EN856-4SH**