

797TC

No-Skive GlobalCore Compact Spiral™

Tough Cover

Size -4 exceeds ISO 18752-AC
 Sizes -8 to -20 exceed ISO 18752-DC
 Sizes -6, -24, -32 exceed ISO 18752-CC

Primary Applications

On- & offshore, construction, injection moulding, mining

Type Approvals

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

Applicable Specifications

Exceeds SAE 100R15 – ISO 3862 Type R15 –
 ISO 18752-AC/CC/DC

Construction

Inner tube: Proprietary synthetic rubber
 Reinforcement: Two-braid steel wire for size -4,
 Four- or six-compact spiral steel wires for
 size -6 to -32
 Cover: Highly abrasion resistance
 MSHA approved synthetic rubber

Temperature Range -40 °C up to +125 °C
 (size -4 up to +100 °C)

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



- 1/2 the bend radius of SAE 100R15
- Constant working pressure of 42.0 MPa
- Reduced O.D. and new construction lead to superior flexibility
- 1/3 less effort to bend
- Weight reduction – up to 26 %
- 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 based hydraulic fluids and lubricating oils.
 Wide Compatibility exceeding Column III, with additional chemical resistance, especially for diesel and biodiesel.
 Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Fitting Series

Series 43/48 for size-4



Series 43 for size -6



Series 77 for sizes -8 up to -32



| 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 | | |
| 797TC-4 | 6 | 1/4 | 4 | 6.3 | 13.0 | 42.0 | 6000 | 168.0 | 24000 | 50 | 0.31 |
| 797TC-6 | 10 | 3/8 | -6 | 10.0 | 17.0 | 42.0 | 6000 | 168.0 | 24000 | 63 | 0.46 |
| 797TC-8 | 12 | 1/2 | -8 | 12.7 | 21.1 | 42.0 | 6000 | 168.0 | 24000 | 100 | 0.67 |
| 797TC-10 | 16 | 5/8 | -10 | 15.9 | 23.9 | 42.0 | 6000 | 168.0 | 24000 | 115 | 0.80 |
| 797TC-12 | 19 | 3/4 | -12 | 19.1 | 27.9 | 42.0 | 6000 | 168.0 | 24000 | 135 | 1.16 |
| 797TC-16 | 25 | 1 | -16 | 25.4 | 35.7 | 42.0 | 6000 | 168.0 | 24000 | 165 | 1.74 |
| 797TC-20 | 31 | 1 1/4 | -20 | 31.8 | 44.9 | 42.0 | 6000 | 168.0 | 24000 | 225 | 2.89 |
| 797TC-24 | 38 | 1 1/2 | -24 | 38.1 | 52.8 | 42.0 | 6000 | 168.0 | 24000 | 305 | 3.96 |
| 797TC-32 | 51 | 2 | -32 | 50.8 | 67.6 | 42.0 | 6000 | 168.0 | 24000 | 380 | 6.50 |

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



Daa-8

Catalogue 4400/UK