

797ST

No-Skive GlobalCore Compact Spiral™

Super Tough

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: Synthetic rubber
with a special polyethylene coating

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 %
- Extreme abrasion resistant

SUPER TOUGH COVER

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

