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



- 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

Primary Applications
On- & offshore, construction, injection moulding, mining

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

Applicable Specifications
Exeeds SAE 100R15 – ISO 3862 Type R15 –
ISO 18752-AC/CC/DC

Construction
Inner Tube: Proprietary synthetic rubber
Reinforcement: Four or six spirals high-tensile steel wire
Cover: Synthetic rubber
with a special polyethylene coating

Temperature Range ..... -40 °C up to +125 °C
Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids
Petroleum based hydraulic fluids and lubricating oils. Wide Compatibility exceeding Column III, with additional chemical resistance, especialy 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 — 43 — 48
Series 43 for size -6 — 43
Series 77 for sizes -8 up to -32 — 77

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
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.

GLOBALCORE

Hose layline example



Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark