

# 462ST

## Elite No-Skive Super Tough Compact

EN 857 2SC – ISO 11237 Type 2SC



- **EVO** improved performance from size 4 up to 16
- **No-Skive** hose construction – Compact design
- Nitrile (NBR) inner tube – extended fluid compatibility
- Extreme abrasion resistant **SUPER TOUGH** cover
- Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance

### Primary Applications

Mobile market: Medium pressure hydraulic applications with extremely high abrasion risks

### Applicable Specifications

EN 857 2SC – ISO 11237 Type 2SC

### Construction

Inner tube: Nitrile (NBR)  
Reinforcement: Two high-tensile steel wire braids  
Cover: Synthetic rubber with a special polyethylene coating

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

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

### 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

Size -4 up to -16

Size -20



Hose

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		
<b>EVO</b> 462ST-4	6	1/4	-4	6.4	13.4	42.5	6160	170.0	24640	50	0.30
<b>EVO</b> 462ST-5	8	5/16	-5	7.9	15.0	40.0	5800	160.0	23200	55	0.35
<b>EVO</b> 462ST-6	10	3/8	-6	9.5	17.2	35.0	5075	140.0	20300	65	0.42
<b>EVO</b> 462ST-8	12	1/2	-8	12.7	20.4	31.0	4495	124.0	17980	80	0.52
<b>EVO</b> 462ST-10	16	5/8	-10	15.9	23.9	28.0	4060	112.0	16240	100	0.66
<b>EVO</b> 462ST-12	19	3/4	-12	19.1	27.7	28.0	4060	112.0	16240	120	0.86
<b>EVO</b> 462ST-16	25	1	-16	25.4	35.4	21.0	3045	84.0	12180	150	1.17
462ST-20 *	31	1 1/4	-20	31.8	45.1	17.2	2495	68.8	9980	335	1.80

The combination of high temperature and high pressure could reduce the hose life.  
\* 462ST-20 only with fitting series 48

### Hose layline example

