477ST

Elite No-Skive PowerLift

2 wire braided



- *No-Skive* hose construction – Compact design
- Extreme abrasion resistant SUPER TOUGH cover
- Tested at 120 % of the maximum working pressure at 400,000 impulses
- Smaller bend radius and reduced outside diameter

Primary Applications

For truck cranes and lifting equipment such as fork lift trucks, aerial lifts, cranes, telehandlers, lifting platforms.

Restrictions

Should not be used for high impulse hydraulic applications to replace spiral construction hoses.

Construction

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

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.
Consult the chemical compatibility section on pages ***Ab-22*** to ***Ab-30*** for more detailed information.

Fitting Series



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
477ST-4	6	1/4	-4	6.4	13.1	45.0	6500	180.0	26000	75	0.30
477ST-5	8	5/16	-5	7.9	14.9	42.5	6100	170.0	24400	85	0.35
477ST-6	10	3/8	-6	9.5	17.2	40.0	5800	160.0	23200	90	0.42
477ST-8	12	1/2	-8	12.7	20.4	38.0	5500	152.0	22000	130	0.55
477ST-10	16	5/8	-10	15.9	23.4	35.0	5000	140.0	20000	250	0.65
477ST-12	19	3/4	-12	19.1	27.2	35.0	5000	140.0	20000	310	1.20
477ST-16	25	1	-16	25.4	34.8	25.0	3600	100.0	14400	250	1.30

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

Hose layline example



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