

Parker PowerLift 477

No-Skive 2 Wire Braided Hose



Customer Value Proposition:

The new **PowerLift 477** hose exceeds the working pressure specified in EN 853 (Standard SN hose) and EN 857 (SC Compact hose) and the EN required impulse cycles twice. PowerLift is the ideal choice where lower weight, high pressure and tight bending radii are the driving factors in influencing product selection. In addition to the high performance of the hose, **PowerLift** is also constructed with a nitrile rubber inner tube for improved fluid compatibility and resistance to bio oils. Based on the ozone and abrasion resistant cover, this hose type has a longer service life and is lowering overall equipment costs. In addition to the standard **PowerLift** also the **PowerLift 477ST** (Super Tough version) is available. The Super Tough covers increase the hose service life when hoses are exposed to extreme mechanical wear. The Super Tough cover offers up to 450 times the abrasion resistance specified in the ISO 6945 for standard rubber hoses and provides the perfect alternative to expensive protective sleeves.



Product Features:

- *No-Skive* 2 steel wire braids hose for construction equipment
- 30 % higher working pressure than specified in EN853 or EN857
- Smaller bend radius and reduced outside diameter bringing a significant advantage in terms of space and weight on new compact machinery
- High impulse resistance twice that of the EN recommendation provides longer service life and reduction of maintenance cost
- Also available as **PowerLift 477ST** (Super Tough)
- Compatible with 48 series *No-Skive* fittings from size -4 up to size -8, size -10 up to -16 available as complete hose assemblies
- *No-Skive* design eliminates the need to remove the cover before crimping



ENGINEERING YOUR SUCCESS.

Parker PowerLift 477

No-Skive 2 Wire Braided Hose

Part Number	Hose I.D.				Hose O.D. mm	Pressure rating				min. bend radius mm	Weight kg/m
	DN	Inch	Size	mm		max. dynamic working pressure MPa	psi	min. burst pressure MPa	psi		
477-4	6	1/4	-4	6,3	13,4	45,0	6500	180,0	26000	75	0,30
477-5	8	5/16	-5	7,9	15,0	42,5	6100	170,0	24400	85	0,35
477-6	10	3/8	-6	9,5	17,2	40,0	5800	160,0	23200	90	0,42
477-8	12	1/2	-8	12,7	20,3	38,0	5500	152,0	22000	130	0,55
477-10	16	5/8	-10	15,9	25,2	35,0	5000	140,0	20000	250	0,65
477-12	20	3/4	-12	19,1	30,0	35,0	5000	140,0	20000	310	1,20
477-16	25	1	-16	25,4	37,0	35,0	5000	140,0	20000	360	1,72

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

Primary Applications/ Restrictions

For lifting and material handling machines such as fork lift trucks, aerial lifts, cranes, telehandlers, lifting platforms

Temperature Range

-40 °C up to +125 °C

exception air

max. +70 °C

exception water

max. +85 °C

Fittings Series

size -4 up to -8

size -10 up to -16 available as complete hose assemblies



Hose Construction

Tube: Nitrile (NBR)

Reinforcement:

Two steel wire construction

Cover:

Synthetic rubber

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 in Catalogue C4400 on page Ab-16 for more detailed information.



Parkrimp series fittings and crimpers

Parker's PowerLift 477 hose is compatible with 48 series fittings and the Parkrimp family of crimpers. From the assembly speed of the PHastkrimp to the portable ease of the KarryKrimpers, there is a Parkrimp machine that meets your needs. A broad range of fittings, with over 60 end configurations, combined with Parker hose and crimpers allows simple and safe assembly – whenever and wherever needed.