

477 / 477TC / 477ST

Elite *No-Skive* PowerLift

2 wire braided



- *No-Skive* hose construction
– Compact design
- Smaller bend radius and reduced outside diameter bringing a significant advantage in terms of space and weight on compact equipment
- Also available with TC cover (MSHA and abrasion resistant) and ST cover (Superior Abrasion resistance)

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

Inner tube: Nitrile (NBR)
Reinforcement: Two high-tensile steel wire braids
Cover: Synthetic rubber

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.

Please refer to our main catalogues CAT/4400, CAT/4405 and CAT/4460 for more detailed information.

Fitting Series



Medium Pressure



Standard Cover



Tough Cover

Highly abrasion resistant **TOUGH COVER**
MSHA approved



Super Tough Cover

Extreme abrasion resistant **SUPER TOUGH cover**
MSHA approved

Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg		
	DN	Inch	Size	mm		max. working pressure		min. burst pressure					
						MPa	psi	MPa	psi				
477-4	477TC-4	477ST-4	6	1/4	-4	6.4	13.1	45.0	6500	180.0	26000	65	0.32
477-5	477TC-5	477ST-5	8	5/16	-5	7.9	14.9	42.5	6100	170.0	24400	70	0.35
477-6	477TC-6	477ST-6	10	3/8	-6	9.5	17.2	40.0	5800	160.0	23200	75	0.42
477-8	477TC-8	477ST-8	12	1/2	-8	12.7	20.4	38.0	5500	152.0	22000	105	0.55
477-10	477TC-10	477ST-10	16	5/8	-10	15.9	23.4	35.0	5000	140.0	20000	160	0.65
477-12	477TC-12	477ST-12	19	3/4	-12	19.1	27.2	35.0	5000	140.0	20000	200	1.10
477-16	477TC-16	477ST-16	25	1	-16	25.4	34.8	28.0	4000	112.0	16000	250	1.34

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

Hose layline example



477RH

Elite No-Skive

2 wire braids and fire-retardant cover

Primary Applications

For general-medium pressure hydraulic systems and demanding bend radii applications such as lifting equipment.

Type Approvals

For details please refer to catalogue C-4400/UK, pages **Ab-16** to **Ab-19**

Restrictions

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

Construction

Inner Tube: Nitrile (NBR)

Reinforcement: Two braided layers of high-tensile steel wire

Cover: Fire-retardant synthetic rubber

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

Exception: Air max. +70 °C

Water max. +85 °C



- *No-Skive* hose construction – Compact design
- Smaller bend radius and reduced outside diameter
- Fire-retardant cover
- Railway approved:
 - European Standard EN 45545 HL2 for R22 (internal) and HL3 for R23 (external)

up to 45.0 MPa

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 C-4400/UK, pages **Ab-24** to **Ab-32** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
477RH-4	6	1/4	-4	6.4	13.1	45.0	6500	180.0	26000	65	0.32
477RH-5	8	5/16	-5	7.9	14.9	42.5	6100	170.0	24400	70	0.35
477RH-6	10	3/8	-6	9.5	17.2	40.0	5800	160.0	23200	75	0.42
477RH-8	12	1/2	-8	12.7	20.4	38.0	5500	152.0	22000	105	0.55
477RH-10	16	5/8	-10	15.9	23.4	35.0	5000	140.0	20000	160	0.65
477RH-12	19	3/4	-12	19.1	27.2	35.0	5000	140.0	20000	200	1.10
477RH-16	25	1	-16	25.4	34.8	28.0	4000	112.0	16000	250	1.34

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

Hose layline example

