

**High Pressure**  
Extreme abrasion resistance

**ParLock Hose**  
H31ST

## H31ST

### ParLock Multispiral

Exceeds ISO 3862 Type 4SP -  
EN 856 Type 4SP



- Interlock technology
- Extreme abrasion resistant  
**SUPER TOUGH** cover
- Reinforcement of four high tensile steel wires

#### Primary Applications

General high pressure hydraulic applications

#### Type Approvals

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

#### Applicable Specifications

Exceeds ISO 3862 Type 4SP – EN 856 Type 4SP

#### Construction

Inner Tube: Synthetic rubber  
Reinforcement: Four spirals high-tensile steel wire  
Cover: Synthetic rubber  
with a special polyethylene coating

#### 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.

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

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C

#### Fitting Series

External skiving (size -4 up to -8)

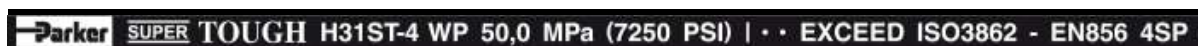


Internal and external skiving (size -10 up to -16)

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		
H31ST-4	6	1/4	-4	6,4	17,8	50,0	7250	200,0	29000	120	0,73
H31ST-6	10	3/8	-6	9,5	21,4	44,5	6450	178,0	25800	130	0,91
H31ST-8	12	1/2	-8	12,7	24,6	41,5	6000	166,0	24000	180	1,08
H31ST-10	16	5/8	-10	15,9	28,5	39,0	5650	156,0	22600	225	1,39
H31ST-12	19	3/4	-12	19,1	32,0	35,0	5000	140,0	20300	280	1,73
H31ST-16	25	1	-16	25,4	39,7	31,0	4500	124,0	18000	355	2,31

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

Hose layline example



Dab-25

Catalogue 4400/UK

ParLock Hose