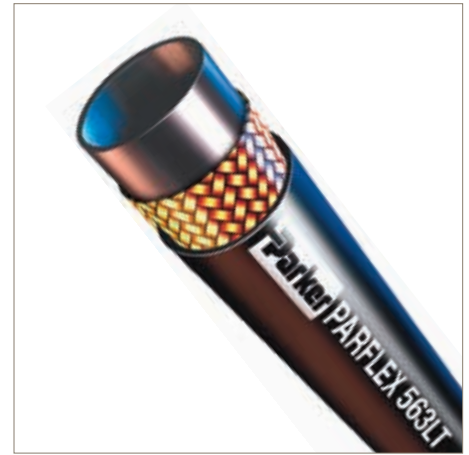


# Parflex 563LT Low Temperature Hose

Excellent Flexibility & Low Length Change in temperatures as low as -70°F/-57°C



Parflex 563LT hose is designed to withstand the strains of demanding use in low temperature environments, such as material handling applications, forestry or construction equipment.

The 563LT features excellent flexibility at low temperatures while maintaining the low length change under pressure which is the signature of the 563 hose family. Side by side freezer testing has shown the 563LT to be superior to competitive rubber hose in cold environments when repetitive flexing occurs. The Copolyester cover provides superior abrasion resistance and resists moisture egression much better than rubber covers resulting in better reinforcement life.

Parflex 563LT is available in twin-line and multi-line bonded configurations. These problem-solving assemblies simplify the installation process, allow for smooth operation, and improve the



overall strength and stability of the hose to eliminate many of the problems that lead to hose failure.

## Contact Information:

Parker Hannifin Corporation  
**Parflex Division**  
1300 North Freedom St.  
Ravenna, OH 44266

**phone 330 296 2871**  
**fax 330 296 8433**

[www.parker.com/parflex](http://www.parker.com/parflex)

## Product Features:

- Operates in temperatures as low as -70°F/-57°C
- 3,000 psi constant pressure
- Consistent long lengths
- Low length change under pressure
- 23% to 42% lighter weight than rubber 100R17 hose
- Smaller O.D. than rubber 100R17 hose for easier routing
- Excellent flexibility
- Superior bend radius
- Multi-line bonded assemblies available



ENGINEERING YOUR SUCCESS.

# 563LT – Low Temperature Hydraulic Hose, Constant Pressure 3,000 psi



## Features

- Lowest temperature range in a constant pressure hydraulic hose
- Low length change under pressure

## Compliance

- Meets/Exceeds SAE 100R17 Performance

## Series 563LT

[Visit the webpage](#)

Part Number	Nominal I.D.		Maximum O.D.		Max. Working Pressure 73°F/ 23°C		Minimum Bend Radius		Weight		Permanent Fitting Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/mtr	
563LT-4	1/4	6.3	0.47	11.9	3,045	21.0	1-1/2	38.1	0.09	0.13	56
563LT-6	3/8	10	0.64	16.3	3,045	21.0	2	50.8	0.19	0.29	56
563LT-8	1/2	12.5	0.77	19.5	3,045	21.0	2-3/4	69.9	0.24	0.36	56
563LT-10*	5/8	16	0.97	24.6	3,045	21.0	3-1/2	88.9	0.40	0.60	43
563LT-12	3/4	19	1.12	28.3	3,045	21.0	4.25	108	0.55	0.82	43

## Construction

- Tube: Copolyester
- Reinforcement: One or two braids of High Tensile Steel Wire
- Cover: Abrasion-resistant Copolyester

## Fittings

- 56 Series 43 Series
- For most Parker products, Crimp Die Selection charts are found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Operating Parameters

- Temperature Range:
  - Petroleum base hydraulic fluids and lubricating oils (-6 thru -8) -70°F (-57°C) to +250°F (121°C)
  - (-10 size) -50°F (-45°C) to +250°F (121°C)
  - Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to 185°F (85°C)
  - Water/glycol hydraulic fluids limited to 135°F (57°C)
- Vacuum Rating: 28 inch Hg
- Change in length at Max. Working Pressure:
  - 563LT-6/563LT-8 +/-1%
  - 563LT-10 +/-2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Color

- ● Black



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