

# Black Eagle Oilfield Service Hose

Viable alternative to welded pipe



Parker BLACK EAGLE high pressure hoses are a viable alternative to welded piping that requires costly labor & inspection. It is also the only 1-1/2" API and DNV certified hose available to replace industrial grades of R13 rubber hydraulic hose that are not designed or certified for subsea service. And with lengths up to 1,000 meters without splicing (depending on hose size), multiple potential leak points are eliminated.

Polyflex Black Eagle hose is available in 1-1/2", 2" and 3" I.D. hoses with pressures operating up to 15,000 psi (1035 bar). Parker also incorporates ColorGard™ technology into each hose, featuring an extra thick, dual color cover which significantly reduces the risk of exposing the reinforcing wires. If the outer black cover has been abraded to the point that the "early warning" red inner cover can be seen, the hose needs to be changed out.

Other applications include fracing, cementing, water and gas injection, acidizing and well stimulation.



BLACK EAGLE - methanol washed core tube.

## Contact Information:

Parker Hannifin Corporation  
**Parflex Division**  
11151 Cash Road  
Stafford, TX 77477

**phone (281) 566 4500**  
**fax (281) 582 5271**

[parker.com/pfd-high-pressure](http://parker.com/pfd-high-pressure)

## Product Features:

- Up to 30% weight reduction in comparison to R13 rubber hoses - more than 70% in comparison to flexible pipe
  - reduces operator fatigue
  - reduces freight costs
  - reduces equipment weight
- Lower bend radius when compared to composite hose
- Compact design - smaller O.D. than flexible pipe
- Long continuous lengths up to 1,000m without splicing (depending on hose type)
- DNV Type Approval P 14038 according to API 7K and API 17J
- Features ColorGard™ technology to provide early warning of hose wear



ENGINEERING YOUR SUCCESS.

# Black Eagle™ Oilfield Service Hose



## Features

- Up to 30% weight reduction in comparison to R13 rubber hoses - more than 70% in comparison to flexible pipe
- Long continuous lengths up to 1,000m without splicing (depending on hose type)
- Lower bend radius when compared to composite hose
- Compact design - smaller O.D. than flexible pipe
- Inner core has superior chemical resistance
- ColorGard™ allows for quick recognition of abrasion issues

## Certifications

- DNV Type Approval P 14038 according to API 7K and API 17J

## Applications

- Cementing
- Water and gas injection
- Acidizing
- Mud circulation

## Series Black Eagle

[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	
	DN	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft		kg/mtr
Reinforcement: 1 layers												
2240N-48V80	78	3	76	4.49	114	5,000	345	39.9	1000	7.73	11.5	TX
Reinforcement: 4 layers												
2448N-32V80	50	2	50.8	3.17	80.5	5,000	345	20	508	5.71	8.5	5X
2580N-32V80	50	2	50.8	3.33	84.5	10,000	690	32	813	6.32	9.4	5X
2440N-48V80*	78	3	76	4.8	122	10,000	690	43.3	1100	12.57	18.7	LX
Reinforcement: 6 layers												
2640N-24V80-15K*	40	1-1/2	38.1	2.60	66	15,000	1,035	19.7	500	4.37	6.5	5X
2648N-32V80	50	2	50.8	3.39	86	15,000	1,035	31	787	8.13	12.1	CX
2640N-48V80	78	3	76	5.13	130.3	15,000	1,035	47.3	1200	18.48	27.5	5X

## Construction

- Tube: Polyamide 11, methanol washed
- Reinforcement: Multiple layers of high strength steel wire and open spirals depending on part number. See CAT 4900.
- Cover: Extra thick dual layer polyurethane

## Fittings

- 5X Series
- CX Series
- LX Series
- TX Series

## Operating Parameters

- Temperature Range:  
+14°F to +158°F (-10°C to +70°C)  
\*hose can be used intermittently at +212°F (+100°C)

## Notes

- Assembly working pressure is dependent on the lowest rated component. Therefore, if fittings have a lower pressure rating than the hose, the working pressure of the fittings is the working pressure of the assembly.
- Polyflex ColorGard™ extra thick, dual color cover significantly reduces the risk of exposing the reinforcing wires. If the outer black cover has been abraded to the point that the “early warning” red inner cover can be seen, the hose needs to be changed out.

## Design Factor

2.25/1	2.5/1	4.1
2640N-48V80 2648N-32V80 2640N-24V80-15K	2580N-32V80 2240N-48V80 2440N-48V80	2448N-32V80