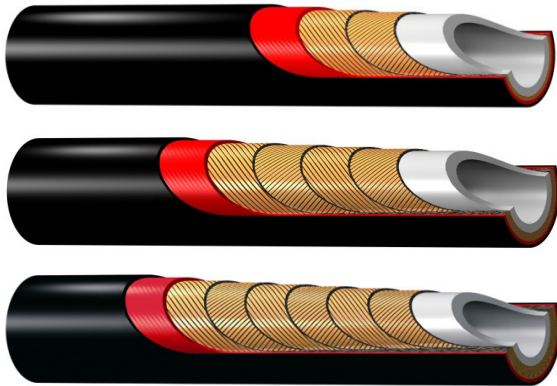


# TECHNICAL SPECIFICATION: 3-inch BLACK EAGLE with ColorGard™

SPECIALIST HOSE



BLACK EAGLE is a range of multispiral wire reinforced hoses specifically designed for the oil and gas market, with applications in offshore projects and land operations.

A single length can be deployed in offshore operations, faster and safer with less connections and less risk to personnel. Also BLACK EAGLE reduces the cost in maintenance and labour associated with well servicing.

## Construction

<b>Inner Core:</b>	Plasticized Nylon 11 (PA BESNO P40 TL)
<b>Bond:</b>	Special adhesive
<b>Reinforcement:</b>	5K: 2 spiral layers of high tensile steel wire 10K: 4 spiral layers of high tensile steel wire 15K: 6 spiral layers of high tensile steel wire
<b>Outer Cover:</b>	TPU inner sheath (red) plus extra thick TPU outer sheath (black)
<b>Max. manufacturing length</b>	5K: 500m (1640ft) 10K: 450m (1476ft) 15K: 400m (1312ft)

## Hose Specification

Specification	Inside Diameter	Outside Diameter	Working Pressure	Min. Burst Pressure	Min. Bend Radius	Working Temp.	Weight in Air (Empty)	Fitting Series
	mm inch	mm Inch	MPa psi	MPa psi	mm Inch	°C °F	Kg/m lbs/ft	
HS-2240N-48V80 (5K)	75.0 3"	114.0 4.49"	34.5 5000	86.2 12500	1000 40"	-40 to +70* -40 to +158*	11.5 7.73	TX
HS-2440N-48V80 (10K)	75.0 3"	122.0 4.80"	69 10000	172.5 25000	1100 43.31"	-40 to +70* -40 to +158*	18.7 12.57	LX
HS-2640N-48V80 (15K)	75.0 3"	130.0 5.12"	103.5 15000	233.0 33750	1200 47.3"	-40 to +70 -40 to +158	27.5 18.48	5X

\*intermittent +100°C (212°F)

## Typical Application & Approvals

- According to DNV Type Approval P-14038 (API 17J, API 7K); cementing, chemical injection (see certificate), water jetting, air and nitrogen

## Remarks

- Extra thick, dual colour, abrasion resistant ColorGard™ sheath improves durability and acts as an early warning system to detect excessive abrasion of the hose cover.
- The above hose performance data is only relevant if used with the specified fittings and assembled according to the approved Parker Polyflex assembly procedure
- Hammerlug Unions and various API Flanges and Hubs are available. Other connections on request. Materials: nipple made out of 4340 steel zinc plated, shell made out of 316Ti stainless steel as standard. Other nipple materials, e.g. Super Duplex stainless steel on request