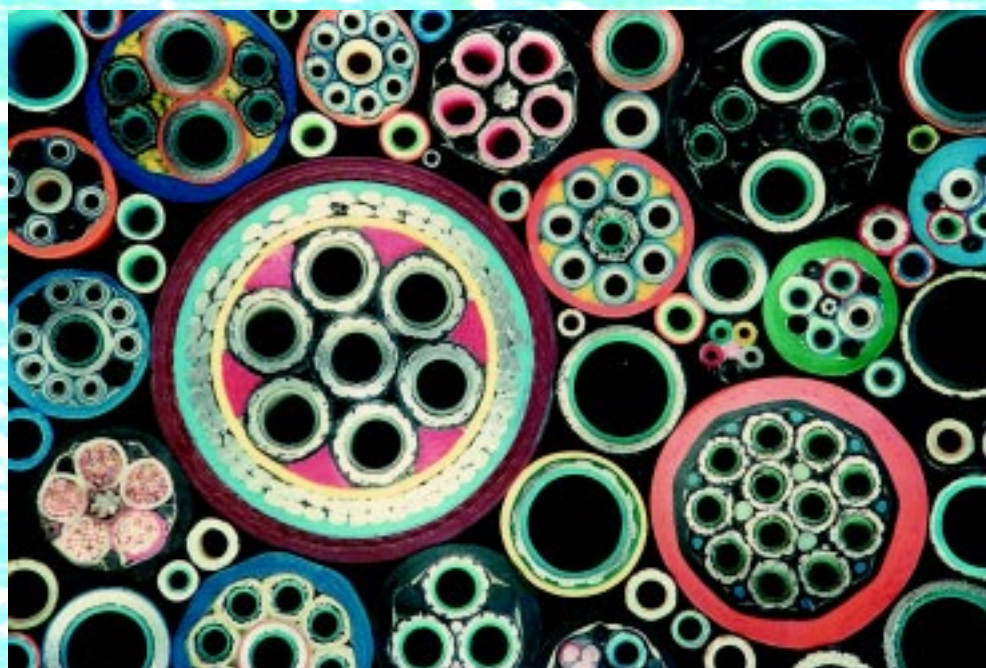


**The most
comprehensive range of
thermoplastic
hose types
available**



Polyflex Products for the Offshore Market



When it comes to selecting thermoplastic hoses, fittings and connectors for Oilfield and Offshore applications, Parker **polyflex** has a wealth of experience in development, manufacturing, problem solving and application technology.

As world leaders of high performance and quality hose, **polyflex** is able to access its long and successful track record in Oilfield and Offshore applications to provide safe engineered solutions to hostile and demanding environments.

polyflex can supply standard or specialized hoses, multi-core tubing and umbilical products custom built in a variety of materials which include engineered polymers, copper and stainless steels.

Economic and environmental pressures demand that offshore operators explore for, develop and produce oil and gas from greater water depths under increasingly hostile conditions. **polyflex** is continually breaking new ground to provide products which are designed to meet industry demands for longer hose lengths, higher working pressures, lower weights, higher working temperatures, better chemical resistance, lower volumetric expansion, better collapse resistance and higher safety standards.

Parker **polyflex** is constantly engaged in the development of hose and fitting to meet the expectations and projected performance requirements of the Oilfield and Offshore industry.

polyflex is totally committed to quality.

Your complete source for quality hoses, fittings, tubing, multicore, hose bundles, umbilicals, high pressure valves, quick connect couplers and assembly equipment.

Fittings and Couplings: Available in inch and metric sizes covering SAE, BSP, DIN, JIS, JIC, ISO, NPT, M Type and Tubing thread configurations, manufactured from steel, stainless steel, brass, aluminum, nylon and thermoplastic.

Hose & Tubing: Long length wire and textile reinforced hoses. Working pressures from 10 to 4.000 bar. Tubing in a wide variety of sizes and materials including nylon, polyurethane, fluoropolymers, stainless steel and copper.

Multitube Umbilicals: Custom made designs incorporating the wide variety of hose and tubing products available. Manufactured in long lengths, helically wound constructions, jacketed with tough, sea water resistant polyurethane.

World wide Availability: Parker operates Fluid Connector manufacturing locations and sales offices throughout North America, South America, Europe and Asia-Pacific.

For Information contact the nearest Regional Sales Office or ring toll free 00800-2727-5374 (00800 C PARKER H)

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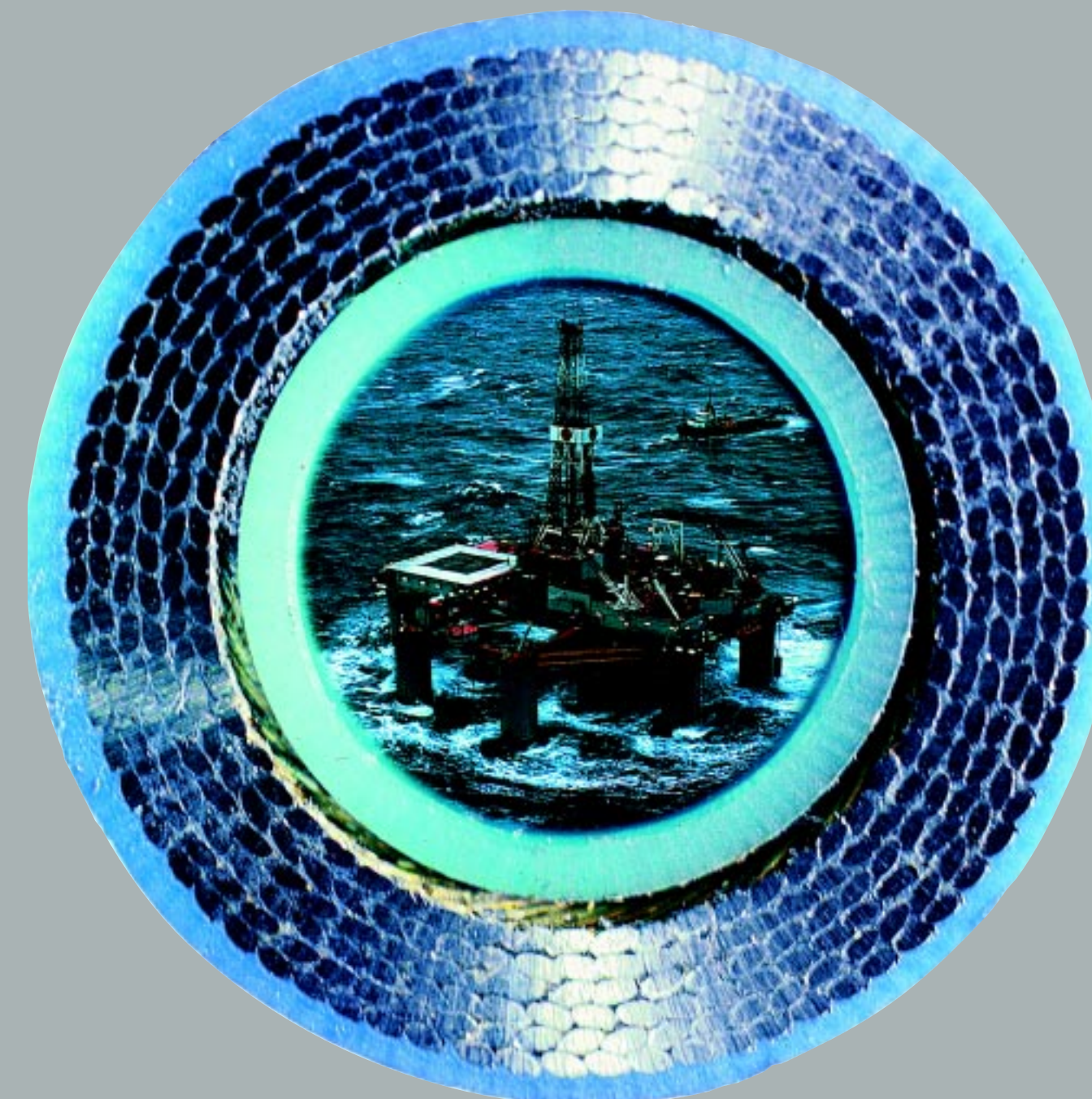
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Bulletin QRG ñ Offshore

Polyflex Products for the Offshore Market

November 2000



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Ottodruck 10/00

The Customer Connection



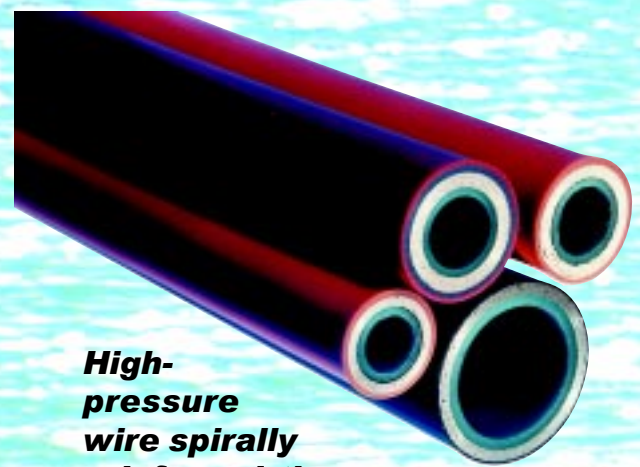
2" Black Eagle Hose

Recognized as a revolutionary product in the oilfield industry, Black Eagle is redefining high pressure pumping applications. Black Eagle has proven to be a safe alternative to steel pipe systems that operate up to 700 bar in applications such as: High Pressure Pumping, Acidizing, Cementing, Saltwater Brine, High-Flow General Hydraulics,



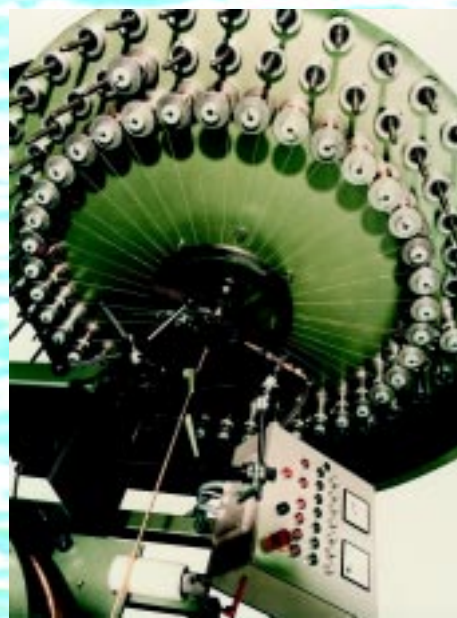
Coiled Tubing Reel Flexible Connections, Hydraulic Workover Operations (isnubbing).

Black Eagle (Part No. 2640N-32V10) weighs approx. 7 kg per meter, is available in long continuous lengths and can be fitted with 2" Hammer Union fittings.



High-pressure wire spirally reinforced thermoplastic hoses

Hoses built to work up to 4,000 bar working pressure utilizing **polyflex** unique manufacturing technologies, and able to work at temperatures up to 135 C. Single line hoses available from 1/8" to 2" inside diameter can be used for applications such as surface and subsea trees, well testing, chemical injection, acidizing lines, cement injection, hydraulic jacking systems, hot lines. In applications requiring low volumetric expansion, such as bolt tensioning, **polyflex** hose is the standard.



High-performance textile reinforced thermoplastic hoses

Very strong and lightweight synthetic fiber is used to reinforce thermoplastic hoses which weigh 1/5th of the equivalent wire reinforced hose products and are available in lengths up to 6,000 mtrs continuous.

Advanced reinforcement techniques give these hoses a low volumetric expansion character for rapid signal response and a small outside diameter for applications where compactness is important.

Applications include Marine seismic gun lines, jacking systems, and hose umbilicals where weight, long length and resistance to Subsea environments are important.

High-pressure water jetting hoses



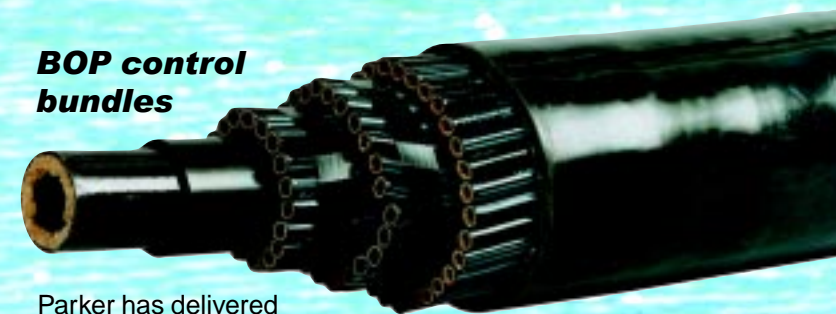
Water jetting hoses with working pressure capabilities up to 4,000 bar are available in a wide range of sizes from 4 mm to 50 mm. Advanced coupling designs and engineered fitting procedures ensure hose assembly integrity and safety. Hoses can be supplied for applications such as descaling, surface preparation, boiler tube cleaning and water jet cutting with or without abrasives.



Multitube® Bundles

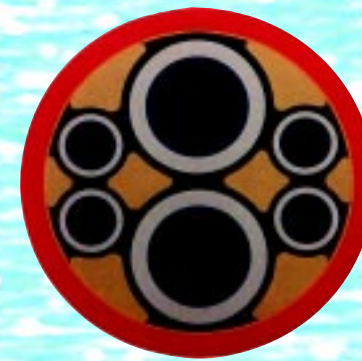


Custom made multicore bundles using imperial and metric tubing in materials polypropylene, nylon, polyethylene, fluoropolymers, copper, aluminium and stainless steel. Continuous lengths of multicore up to 2,000 mtrs. Multicore with extruded seamless outer jacketing available in high performance durable and abrasion resistant polymers to give full protection against Subsea environments. Applications include Instrumentation, remote hydraulic control, ballast transfer control, packer inflation and deballasting.



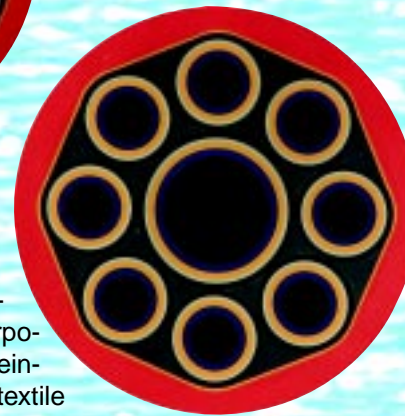
BOP control bundles

Parker has delivered very long BOP control bundles utilizing advanced hose designs which gives signal response performance second to none, the latest technologies are used to give long length, compact, and lightweight pilot and signal lines which are jacketed in tough water resistant urethane polymer to give long life performance in a tough and demanding environment. BOP bundles up to 2,000 mtrs long are in service.



Hose Umbilicals

A wide variety of custom made umbilicals are available from **polyflex** incorporating high pressure wire reinforced hoses, lightweight textile reinforced hoses, electrical cables, tension members and other features. Umbilicals are protected with tough water and abrasion resistant jacketing in a choice of colours. Applications include deballasting, hydraulic workover, seismic, well testing, chemical injection, lubrication and BOP controls.



Presto Pneumatic Tubing



Single line tubing for vacuum and pressure up to 50 bar working pressure. Applications include pneumatic control, instrumentation and monitoring. Temperature range -60 C to + 95 C. Available in sizes 3 mm to 25 mm O.D. and available in polyethylene, nylon, polypropylene, polyurethane, Fluoropolymers and PVC. All available in a variety of colours.

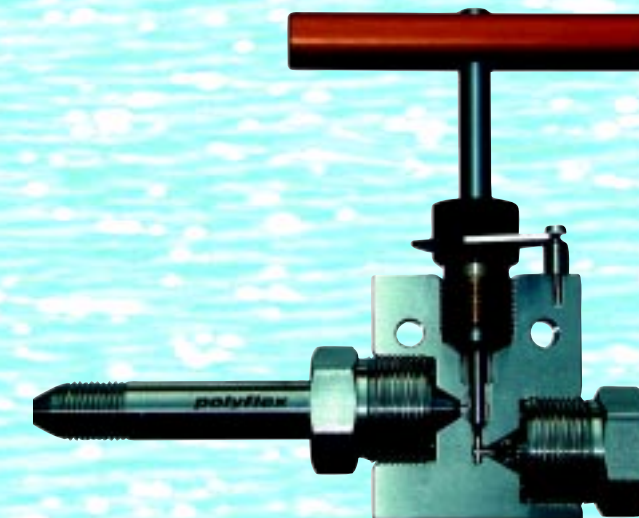


Hose Fittings

Fittings to suit many environments in a variety of materials and designed to operate at ultra high pressures are available. Standard thread terminations are JIC, BSP, NPT Male, Type M and high-pressure tubing. Standard materials include 316 and other high-strength stainless steels.

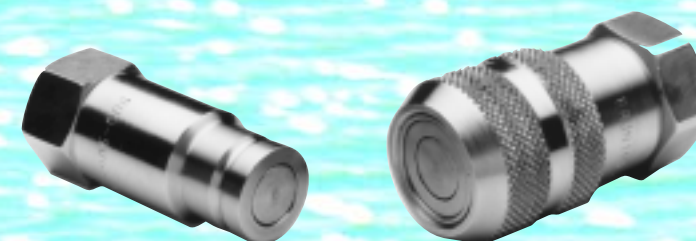
Hose assembly equipment

Parker equipment is available to manufacture high performance hose assemblies under factory conditions, on site or even under water. There are heavy-duty floor mounted machines and portable equipment to assemble hoses from 1/8" to 2". Hand operated, air/hydraulic or even battery-powered units can be supplied.



High pressure valves and adaptors

Parker manufactures and supplies high-pressure valves fittings and adaptors for operating pressures up to 4,000 bar.



Hydraulic Quick couplers

HP and C series quick couplers and coupling adaptors are available from Parker, this versatile connecting device permits easy and rapid joining of hose assemblies to systems.