

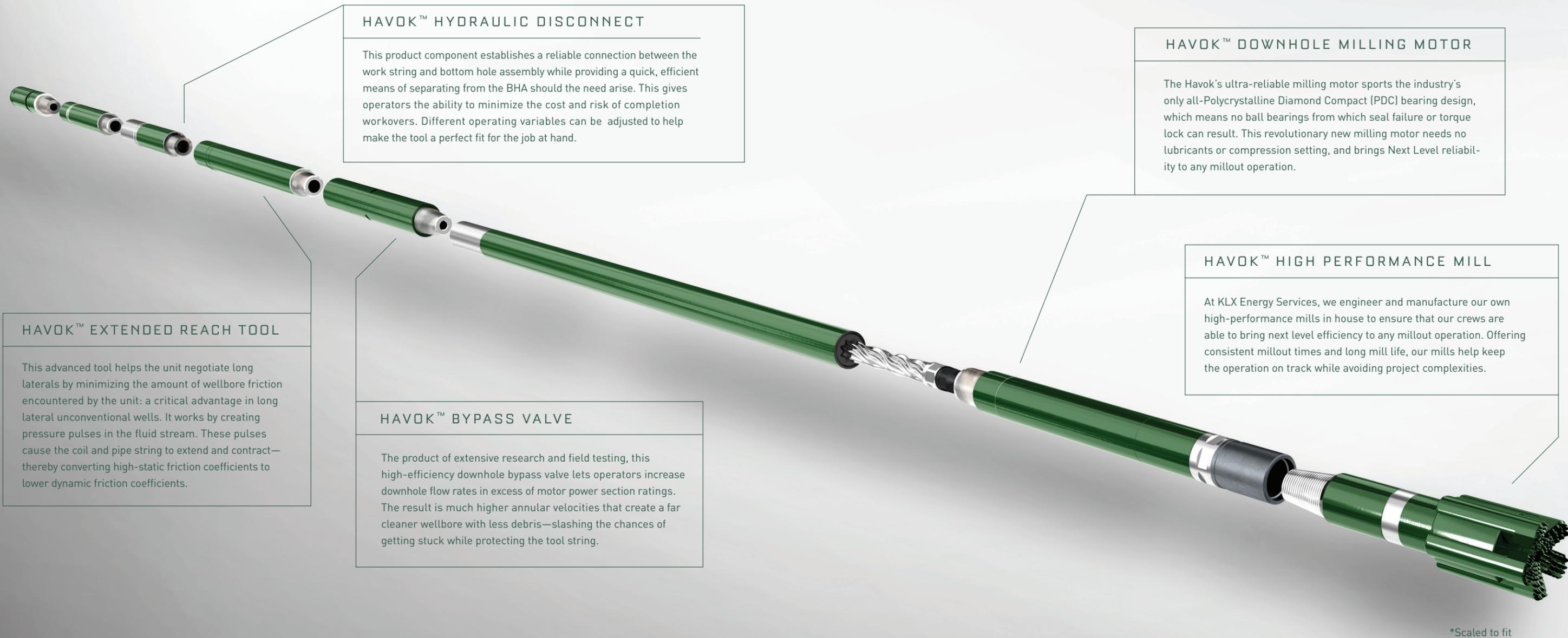


HAVOK™ DOWNHOLE MOTOR SYSTEM

ENGINEERED PRODUCT



NEXT LEVEL READINESS >



HAVOK™ HYDRAULIC DISCONNECT

This product component establishes a reliable connection between the work string and bottom hole assembly while providing a quick, efficient means of separating from the BHA should the need arise. This gives operators the ability to minimize the cost and risk of completion workovers. Different operating variables can be adjusted to help make the tool a perfect fit for the job at hand.

HAVOK™ DOWNHOLE MILLING MOTOR

The Havok's ultra-reliable milling motor sports the industry's only all-Polycrystalline Diamond Compact (PDC) bearing design, which means no ball bearings from which seal failure or torque lock can result. This revolutionary new milling motor needs no lubricants or compression setting, and brings Next Level reliability to any millout operation.

HAVOK™ EXTENDED REACH TOOL

This advanced tool helps the unit negotiate long laterals by minimizing the amount of wellbore friction encountered by the unit: a critical advantage in long lateral unconventional wells. It works by creating pressure pulses in the fluid stream. These pulses cause the coil and pipe string to extend and contract—thereby converting high-static friction coefficients to lower dynamic friction coefficients.

HAVOK™ BYPASS VALVE

The product of extensive research and field testing, this high-efficiency downhole bypass valve lets operators increase downhole flow rates in excess of motor power section ratings. The result is much higher annular velocities that create a far cleaner wellbore with less debris—slashing the chances of getting stuck while protecting the tool string.

HAVOK™ HIGH PERFORMANCE MILL

At K LX Energy Services, we engineer and manufacture our own high-performance mills in house to ensure that our crews are able to bring next level efficiency to any millout operation. Offering consistent millout times and long mill life, our mills help keep the operation on track while avoiding project complexities.

*Scaled to fit

BRING MORE CONFIDENCE TO LONG-LATERAL MILLOUTS WITH THE K LX ENERGY SERVICES HAVOK™ DOWNHOLE MOTOR SYSTEM

Less risk. More efficiency. Cleaner wellbores. This system helps you better avoid downhole problems and prevent millout tool-related Non-Productive Time (NPT), especially on long lateral wells where runs can carry the most risk.

With the industry's only all Polycrystalline Diamond Compact (PDC) bearing milling motor, the Havok™ Downhole Motor System helps eliminate NPT on long lateral runs like no other system on the market today.

Because this innovative new milling motor uses no ball bearings, the system requires no lubricants when operated. Compression setting is not required, and you don't have to hassle with races and ball bearings. The Havok™ Downhole Motor System is easier to service than conventional

milling motors and has been proven in the field time and time again to reduce failures and delays during long-lateral applications.

In addition to the tool's motor, each component is engineered in-house to work together in optimizing the millout function. From the system's innovative Extended Reach Tool to our own in-house high-performance mills, the result is a cleaner wellbore in less time—streamlining milling and debris clean up for less overall NPT.

A man wearing a white hard hat, safety glasses, and a white lab coat is focused on a piece of equipment in a laboratory or industrial setting. The lab coat has the KLX Energy Services logo on the left chest. The background shows various pieces of industrial machinery and equipment.

DEDICATED R&D FOR TODAY'S OILFIELD

INVESTING IN MULTIPLE DEDICATED RESEARCH AND DEVELOPMENT FACILITIES, KLX ENERGY SERVICES IS COMMITTED TO ENGINEERING NEW INNOVATIONS THAT HELP OPERATORS RUN MORE EFFICIENTLY.

KLX Energy Services maintains three dedicated research and development locations nationwide. These facilities are each focused on a specific line of product development: downhole production service enhancement, technical services support and frac valve innovations. They're located in Lafayette, Louisiana; Denver, Colorado; and Powell, Wyoming.

Many oilfield service processes haven't changed much in the last 50 years. At KLX Energy Services, we're re-examining the way everyday operations are performed across the lifecycle of a well—looking for new value-added technology.

Our experienced field engineers understand what needs to happen in the field, and can approach new innovations with an eye for practical, real-world perspective. The real key to KLX Energy Services' most value-added field innovations is our customers. We listen carefully to the needs of operators in the field, and their various

challenges in eliminating avoidable NPT across every phase of the well's operation. As a result, we can arm our crews with exclusive, proprietary tools and technology not available through any other oilfield service partner. From new levels of pressure control automation to downhole tools that help better manage operational risk, we're dedicated to pushing what's possible in oilfield service efficiency. Market downturns don't affect our commitment to developing these new innovations. In fact, leaner times are when the industry most needs every operational and financial advantage possible.



NEXT LEVEL READINESS

ABOUT KLX ENERGY SERVICES

KLX Energy Services provides advanced operations support across the well's lifecycle, from site development and collaborative engineering to completion and production support. With proprietary tools, experienced crews and strategic locations in every basin—leading operators nationwide put KLX Energy Services on-site for everyday support that streamlines operations and maximizes production.

ADVANCED
ENGINEERING AND
DESIGN SUPPORT

SPECIALIZED
FIELD
EXPERTISE

ENGINEERED
TOOLS AND
TECHNOLOGIES

PRODUCTS /
SERVICES FOR
EVERY WELL PHASE

STRATEGIC
LOCATIONS NEAR
YOUR PROJECT

FOR MORE ON THE KLX HAVOK™ DOWNHOLE MOTOR SYSTEM, OR OTHER ENGINEERED PRODUCTS, VISIT KLXENERGY.COM OR CALL 832.844.1015.



3040 Post Oak Blvd., 15th Floor
Houston, TX 77056
Tel 832.844.1015
klxenergy.com