

DuraMax™

High-performance drilling motors

Applications

- Shale gas
- Onshore, offshore, and deepwater
- Conventional and unconventional
- Geothermal
- Vertical and directional drilling
- Performance drilling
- Hard/abrasive formations and high-temperature environments

Features

- DuraMax Ultra Series power section
- Vertical and directional drilling
- Titanium flex shaft
- Optimized connections
- High-temperature elastomer and high weight-on-bit (WOB) bearing assembly
- Adjustable kickoff sub (AKO)
- Increased flex design and flow rate

Tool size	5/8-in. to 7/8-in. (130 mm to 180 mm)
Hole size	5/8-in. to 9/8-in. (150 mm to 250 mm)

Lucida™

Advanced rotary steerable service

Applications

- Wells that require high buildup rates
- Simple or complex 3D wellbore profiles
- Single-run vertical, curve, and lateral
- Extended-reach wells
- Pad or batch drilling
- Onshore, shelf, or deepwater

Features

- Integrated drill bit
- Automated wellpath trajectory control system
- Continuous proportional steering
- Near-bit directional measurements
- Near-bit and azimuthal gamma-ray measurements
- Multi-chip module (MCM) electronics
- Real-time dynamics measurements

Tool size	4 1/2-in. (121 mm)
Hole size	5 1/8-in. to 6 3/8-in. (149 mm to 171 mm)

AutoTrak™ X-treme

Motor-powered rotary steerable system

Applications

- Horizontal extended-reach wells
- Complex 3D directional profiles
- Onshore, offshore and deepwater environments
- Performance drilling applications

Features

- Pre-contoured X-treme
- Fully modular system, integrated BHA with short-spaced advanced MWD/LWD sensors
- Automated 3D continuous proportional steering method
- Real-time near-bit inclination and bidirectional communication
- Steering mechanism independent of hydraulic parameters such as flow rate, bit pressure drop, and mud properties
- Optional near-bit gamma (ZoneTrak G)

Tool size	4 1/2-in. (121 mm) 6 3/8-in. (171 mm) 9 1/8-in. (241 mm)
Hole size	5 1/2-in. to 28-in. (146 mm to 711 mm)

ZoneTrak™ R

At-bit resistivity LWD service

Applications

- Casing and coring point selection
- Salt exit detection
- Real-time pressure management
- Geo-stopping
- All drilling environments
- High-resistivity contrast formations

Features

- Identifies top and bottom of reservoir
- Detects formation changes faster to adjust drilling fluid parameters
- Includes forward response modeling
- Real-time data transmitted through WellLink™ service

Tool size	6 3/8-in. (172 mm) 9 1/8-in. (241 mm)
Hole size	8 7/8-in. to 18 1/2-in. (233 mm to 464 mm), dependent upon mud type

SureTrak™

Steerable drilling liner service

Applications

- Onshore or offshore environments
- Interbedded formations
- Wellbore instability issues, including swelling shale and weak sediments
- Lost circulation
- Depleted formations

Features

- Changeable pilot bottomhole assembly (BHA) eliminates the need for liner retrieval
- BHA design tailored to wellsite requirements
- Wellbore instability issues, including swelling shale and weak sediments
- Lost circulation
- Depleted formations
- Liner shoe with decoupled reamer bit separates BHA drilling dynamics from the liner

Tool size	4 1/2-in. with 7-in. liner 6 3/8-in. with 9 1/2-in. liner
Hole size	8 3/8-in. to 12 1/2-in. (216 mm to 311 mm)

Navi-Drill™ Ultra-HP™ Series

High-performance drilling motors

Applications

- Shale gas, onshore, and conventional/unconventional
- Vertical and directional drilling
- Performance drilling
- OBM environments
- Underbalanced drilling
- Hard/abrasive formations

Features

- High-performance elastomer technology
- Titanium flex shaft improves reliability compared to universal joint
- Optimized connections increase motor reliability
- Adjustable kickoff sub (AKO)

Tool size	6 1/2-in. to 11 1/2-in. (165 mm to 286 mm)
Hole size	7 1/8-in. to 44-in. (200 mm to 118 mm)

AutoTrak™ eXact Pro

Advanced high-build rate rotary steerable system

Applications

- Simple or complex 3D wellbore profiles
- Higher temperature wells up to 330°F (165°C)
- Extended-reach wells
- Geosteering with advanced LWD services
- Onshore, offshore, and deepwater

Features

- Wellpath trajectory control system
- Near-bit directional measurements
- MCM electronics
- The 4 1/2-in. tool has WOB capability up to 35,000 lb (15 875 kg)
- High-resolution vibration and stick slip
- Continuous proportional steering
- Compatible with Baker Hughes suite of advanced LWD services

Tool size	4 1/2-in. (121 mm) 6 3/8-in. (171 mm)
Hole size	5 1/8-in. to 10 5/8-in. (149 mm to 270 mm)

AutoTrak™ G3

Advanced rotary steerable system

Applications

- Real-time reservoir navigation, integrating multiple MWD/LWD measurements
- Multilateral, complex 3D designer, extended-reach and tight wellbore spacing wells
- Conventional, unconventional, onshore, offshore and deep water

Features

- Fully modular system, integrated BHA with short-spaced advanced MWD/LWD sensors
- Automated 3D continuous proportional steering method
- Real-time near-bit inclination and bidirectional communication
- Steering mechanism independent of hydraulic parameters such as flow rate, bit pressure drop, and mud properties
- Optional near-bit gamma (ZoneTrak G)

Tool size	9 1/8-in. (241 mm)
Hole size	12-in. to 18 1/2-in. (304 mm to 464 mm)

ZoneTrak™ G

Near-bit gamma service

Applications

- Casing and coring point selection
- Geo-stopping and Geosteering
- Reservoir navigation
- All drilling environments

Features

- True azimuthal gamma ray measures 6 feet above the bit
- Imaging capabilities
- Two gamma sensors
- Real-time gamma data can be displayed through WellLink™ service

Tool size	4 1/2-in. (121 mm) 6 3/8-in. (172 mm) 9 1/8-in. (241 mm)
Hole size	5 1/2-in. to 18 1/2-in. (146 mm to 464 mm)

GaugePro™ XPR/XPS

Concentric expandable hole enlargement

Applications

- Rotary steerable and rotary operations
- Deepwater projects
- Wellbore enlargement
- Unconsolidated formations
- Salt drilling

Features

- StaySharp™ premium polished cutter technology with improved diamond material and interface
- StayTough™ hardfacing
- Active blade retraction
- Application-specific cutter blades
- Blade operation, protecting the casing

Series 6	6-in. x 7-in.
Series 6.5	6 1/2-in. x 7 1/2-in.
Series 8	8 1/2-in. x 9 7/8-in.
Series 9	9 1/2-in. x 11 1/2-in.
Series 10	10 1/2-in. x 12 1/2-in.
Series 12	12 1/2-in. x 14 1/2-in.
Series 13	13 1/2-in. x 16-in.
Series 14	14 1/2-in. x 17 1/2-in.
Series 16	16 1/2-in. x 20-in.
Series 18	18 1/2-in. x 22-in.

Navi-Drill™ X-treme Series

Directional drilling motors

Applications

- Shale gas
- Onshore, offshore, and deepwater
- Conventional and unconventional
- Geothermal
- Vertical and directional drilling
- Performance drilling
- Re-entry and slimhole drilling
- Hard/abrasive formations and high-temperature environments

Features

- X-treme pre-contoured power section
- Titanium flex shaft
- Optimized connections and increase motor reliability
- High-temperature elastomer
- High weight on bit (WOB) bearing assembly
- Adjustable kickoff sub (AKO)

Tool size	2 1/8-in. to 12 1/2-in. (60 mm to 324 mm)
Hole size	2 1/2-in. to 44-in. (70 mm to 118 mm)

AutoTrak™ eXact

Advanced high-build rate rotary steerable system

Applications

- Onshore, offshore, and deepwater
- Real-time reservoir navigation, integrating multiple measurement-while-drilling (MWD)/LWD measurements
- Multilateral, extended-reach, or complex 3D designer wells
- Conventional and unconventional development drilling

Features

- Reaches high buildup rates, up to 12"/100ft
- Automated steering mechanism creates a continuous steer force with continuous drilling rotation
- Fully modular system, additional LWD measurements as required
- Integrated bottomhole assembly (BHA) with short-spaced, advanced MWD/LWD sensors
- Steering mechanism independent of hydraulic parameters such as flow rate, bit pressure drop, and mud properties

Tool size	4 1/2-in. (121 mm) 6 3/8-in. (171 mm)
Hole size	5 1/8-in. to 10 5/8-in. (149 mm to 270 mm)

NaviTrak™

Directional and gamma MWD service

Applications

- Unconventional shale plays
- Onshore development drilling
- Factory drilling

Features

- Real-time directional information
- Downlink capability
- Real-time gamma ray logs
- Optional flow-off logging

Tool size	3 1/8-in. (78.4 mm) 3 1/4-in. (85.7 mm) 4-in. (121 mm) 6 3/8-in. (171.5 mm) 8-in. (203.2 mm) 9 1/8-in. (241.3 mm)
Probe diameter	1 1/2-in. (45 mm)
Hole size	3 1/2-in. to 17 1/2-in. (89 mm to 445 mm)

Wired-Pipe Telemetry

Applications

- Extended-reach wells
- Underbalanced drilling
- Geosteering
- Performance drilling
- Required for extended formation evaluation BHA's
- Enabling technology for delivering measurements along the string

Features

- Real-time formation evaluation memory quality data for reservoir navigation
- Bandwidth up to 57,600 bits per second
- High-resolution downhole drilling dynamics data of the BHA and optional along the string
- Drilling in environments where data transmission was not possible with mud pulse telemetry

Tool size	4 1/2-in. (121 mm) 6 3/8-in. (171 mm) 8 1/2-in. (210 mm) 9 1/8-in. (241 mm)
Hole size	5 1/2-in. to 26-in. (146 mm to 660 mm)

GaugePro™ Echo

On Command Digital Downhole Reamer

Applications

- Deep water & on-shore projects
- Selective under reaming
- ECD management
- Rat-Hole elimination
- Hole cleaning

Features

- On-Demand unlimited activations
- 5 minute activation/deactivation
- Real-time communication
- Downlink via Mud Pulse or wired drill pipe
- Confirms real-time cutter blade actuation and OD position
- Real-time VSS and tool diagnostics
- No pressure drop dependencies, no shoulder tests
- Up to 3 reamers in one BHA
- Independent of mud flow
- Memory for post analysis

	BHA Body	Pass-Thru	Maximum Hole Size
Series 6	4 1/2-in.	6-in.	8 1/2-in.
Series 8	6 3/8-in.	8 1/2-in.	9 1/2-in.
Series 10	8 1/2-in.	10 1/2-in.	12 1/2-in.
Series 12	9 1/2-in.	12 1/2-in.	14 1/2-in.
Series 14	9 1/2-in.	14 1/2-in.	17 1/2-in.
Series 16	9 1/2-in.	16 1/2-in.	22-in.

AutoTrak™ Curve

High-build rate rotary steerable system

Applications

- Conventional and unconventional hydrocarbon development drilling
- Vertical, horizontal, and 3D directional drilling
- Pad drilling applications with tight wellbore spacing
- Well factory applications in high-volume drilling environments

Features

- Reaches high buildup rates, up to 15"/100ft
- Uses automated 3D steering adjustments while drilling ahead
- Measures real-time, azimuthal gamma ray at short distance to bit
- Drills straight, smooth wellbores with automatic inclination hold function
- Optimized, rugged system design with single piece BHA
- Optional downhole motor

Tool size	6 3/8-in. (171 mm)
Hole size	8 1/8-in. to 10 5/8-in. (213 mm to 270 mm)

AutoTrak™ Curve Pro

High-build rate rotary steerable system

Applications

- Wells that require high build up rates
- Simple or complex 3D wellbore profiles
- Single-run vertical, curve, and lateral
- Extended-reach wells
- Pad or batch drilling
- Onshore, offshore, and deepwater
- Conventional and unconventional development drilling

Features

- Automated wellpath trajectory control system
- Continuous proportional steering
- Internal hydraulics independent of pressure drop
- Near-bit directional and azimuthal gamma-ray measurements
- Flow-off directional surveys
- High-resolution vibration and stick slip (VSS) measurements

Tool size	6 3/8-in. (171 mm)
Hole size	8 1/8-in. to 10 5/8-in. (213 mm to 270 mm)

OnTrak™

Integrated MWD and LWD service

Applications

- Offshore exploration and development
- Complex directional targets
- Geosteering
- Leak Off and Formation Integrity Testing

Features

- Real-time directional information
- Azimuthal gamma ray with imaging capability
- High-frequency phase resistivity
- Low-frequency attenuation resistivity
- Fast two-way communication between the surface and downhole

Tool size	4 1/2-in. (121 mm) 6 3/8-in. (172 mm) 8 1/2-in. (210 mm) 9 1/8-in. (241 mm)
Hole size	5 1/2-in. to 26-in. (146 mm to 660 mm)

AutoTrak™ Curve

High-build rate rotary steerable system

Applications

- Conventional and unconventional hydrocarbon development drilling
- Vertical, horizontal, and 3D directional drilling
- Pad drilling applications with tight wellbore spacing
- Well factory applications in high-volume drilling environments

Features

- Reaches high buildup rates, up to 15"/100ft
- Uses automated 3D steering adjustments while drilling ahead
- Measures real-time, azimuthal gamma ray at short distance to bit
- Drills straight, smooth wellbores with automatic inclination hold function
- Optimized, rugged system design with single piece BHA
- Optional downhole motor

Tool size	6 3/8-in. (171 mm)
Hole size	8 1/8-in. to 10 5/8-in. (213 mm to 270 mm)

CoPilot™ 2.0 / CoPilot UHD

Real-time drilling performance service

Applications

- Onshore, offshore, and deepwater
- Extended reach drilling
- Challenging interbedded or complex well formations
- Conventional/unconventional oil and gas
- Salt drilling
- Shale gas drilling

Features

- Real-time data transmission and expert interpretation
- Bending moment and bending orientation
- Accurate downhole weight and torque
- Downhole dynamics measurements including whirl

Tool size	4 1/2-in. (121 mm) CoPilot / UHD 6 3/8-in. (171 mm) CoPilot / UHD 8 1/2-in. (210 mm) CoPilot 9 1/8-in. (241 mm) CoPilot / UHD
Hole size	5 1/2-in. to 26-in. (146 mm to 660 mm)

DRILLING SERVICES

Formation Evaluation Technologies



LithoTrak™

Density and porosity service

Applications

- Formation and reservoir evaluation in all well profiles
- Reservoir navigation
- Wellbore stability monitoring

Features

- Acquires data using straight hole rotary, steerable motors, or rotary steerable drilling systems
- Measurements are collected by a standoff binning process to provide accurate, compensated density and P_v values
- Real-time borehole density images and caliper measurements in all mud types
- Accurate identification of fluid contacts and hydrocarbon typing
- Azimuthal borehole caliper and real-time, short-spaced borehole images

Tool size	4½-in. (121 mm) 6½-in. (171 mm) 8½-in. (241 mm)
Hole size*	5½-in. to 12½-in. (149 mm to 311 mm)

SoundTrak™

Acoustic service

Applications

- Pore-pressure prediction
- Acoustic slowness in large holes and slow formations
- Seismic time-depth tie
- Acoustic porosity evaluation
- Early detection of shallow gas
- Acoustic light hydrocarbon indicator

Features

- Proprietary quadrupole transmitter technology
- Multi-frequency source
- Measures compressional and shear slowness
- Salinity-independent measurements for real-time pore-pressure prediction
- Real-time geomechanical rock properties measured for wellbore stability
- High attenuation, band-reject isolator
- Sourceless porosity

Tool size	6½-in. (172 mm) 8½-in. (210 mm) 9½-in. (241 mm)
Hole size	8½-in. to 26-in. (212 mm to 660 mm)

OnTrak™

Integrated MWD and LWD service

Applications

- Offshore exploration and development
- Complex directional targets
- Geosteering
- Leak Off and Formation Integrity Testing

Features

- Real-time directional information
- Azimuthal gamma ray with imaging capability
- High-frequency phase resistivity
- Low-frequency attenuation resistivity
- Fast two-way communication between the surface and downhole

Tool size	4½-in. (121 mm) 6½-in. (172 mm) 8½-in. (210 mm) 9½-in. (241 mm)
Hole size	5½-in. to 26-in. (146 mm to 669 mm)

SeismicTrak™

Seismic-while-drilling service

Applications

- Deep water drilling
- Vertical, highly deviated, horizontal, or extended-reach wells
- Determining casing and coring points
- Reducing seismic uncertainty
- Identify over-pressured zones below the bit

Features

- Measurements acquired during natural breaks in the drilling process
- Reduces overall cost of logging program
- Employs precise clock mechanisms for highly accurate check-shot time-depth pairs
- Immediate data-capture feedback during drilling process
- Rugged design with redundant sensors and large memory

Tool size	6½-in. (171 mm) 9½-in. (241 mm)
Hole size	8½-in. to 26-in. (213 mm to 660 mm)
Nominal hole size	8½-in. to 12½-in. (216 mm to 311.2 mm)

AziTrak™

Deep azimuthal resistivity LWD tool

Applications

- Conventional oil and gas reservoirs
- Deep water drilling
- High-angle and horizontal wells
- Brownfield production enhancement
- Field development through infill drilling
- Leak Off and Formation Integrity Testing
- Geosteering

Features

- Compact, fully integrated sub featuring close-to-the-bit measurements
- Close-to-the-bit, deep-reading azimuthal resistivity allows early detection of remote conductive boundaries
- Intuitive, dynamic, real-time display of reservoir boundaries

Tool size	4½-in. (121 mm) 6½-in. (172 mm)
Hole size	5½-in. to 10½-in. (146 mm to 270 mm)

TestTrak™

Formation pressure while-drilling service

Applications

- Onshore and offshore drilling: all well types and formation types
- Drilling hazard mitigation
- Reservoir characterization

Features

- SmartTest™ intelligent testing
- SmartPad™ closed-loop sealing
- Real-time pore pressure measurements
- Real-time gradient analysis to identify fluids and contacts
- Real-time formation mobility

Tool size	4½-in. (121 mm) 6½-in. (171 mm) 8½-in. (210 mm)
Hole size	5½-in. to 17½-in. (146 mm to 445 mm)

MagTrak™

Magnetic resonance service

Applications

- Sourceless petrophysical characterization
- Accurate reserves estimates in complex lithologies
- Continuous permeability
- Fluid sampling optimization
- Fluid typing
- Wellbore placement
- Drilling efficiency
- Completions optimization

Features

- Accurate T2 magnetic resonance logs
- Minimizes motion effects on measurements induced by drilling vibration
- Sourceless porosity
- Real-time T2 spectrum transmitted to surface

Tool size	4½-in. (121 mm) 6½-in. (172 mm) 8½-in. (211 mm)
Hole size	5½-in. to 12½-in. (146 mm to 314 mm)

FAstrak™ PRISM

Fluid analysis, sampling and pressure testing service

Applications

- Single-phase fluid sampling and formation-pressure testing
- Reservoir knowledge enhancement, drilling efficiency and operational safety
- Onshore / Offshore
- Deepwater
- Highly deviated, extended reach and horizontal wells

Features

- SmartTest™ intelligent testing
- SmartPad™ closed-loop sealing
- Multiple drawdowns per test station
- Real Time Fluid Analysis
- Direct measurement of Density, Viscosity, Refractive Index and SoundSpeed
- Sampling and Pressure Testing while circulating
- High Accuracy Pump Control
- Compressibility and Drawdown Mobility
- Capture of up to 16 Single Phase Samples
- Multiple samples per pressure station
- Chemical Resistant Metallurgy
- Single Phase Sample Tank Technology
- JewelSuite Software

Tool size	6½-in. (172 mm)
Hole size	8½-in. to 11½-in. (216 mm to 298 mm)

ZoneTrak™ R

At-bit resistivity LWD service

Applications

- Casing and coring point selection
- Salt exit detection
- Real-time pressure management
- Geo-stopping
- All drilling environments
- High-resistivity contrast formations

Features

- Identifies top and bottom of reservoir
- Detects formation changes faster to adjust drilling fluid parameters
- Includes forward response modeling
- Real-time data transmitted through WellLink™ service

Tool size	6½-in. (172 mm) 9½-in. (241 mm)
Hole size	8½-in. to 18½-in. (213 mm to 464 mm), dependent upon mud type

StarTrak™

Electrical imaging service

Applications

- Complex or thin-bedded reservoirs
- Shale gas plays
- Geosteering
- Wellbore stability

Features

- Acquires high-resolution images at penetration rates up to 150 ft/hr
- Very tolerant of moderate levels of stick/slip
- Real-time images displayed through WellLink™ service
- Detailed fracture analysis

Tool size	4½-in. (121 mm) 6½-in. (172 mm)
Hole size	5½-in. to 9½-in. (146 mm to 241 mm)

ZoneTrak™ G

Near-bit gamma service

Applications

- Casing and coring point selection
- Geo-stopping and Geosteering
- Reservoir navigation
- All drilling environments

Features

- True azimuthal gamma ray measures 6 feet above the bit
- Imaging capabilities
- Two gamma sensors
- Real-time gamma data can be displayed through WellLink™ service

Tool size	4½-in. (121 mm) 6½-in. (172 mm) 9½-in. (241 mm)
Hole size	5½-in. to 18½-in. (146 mm to 464 mm)

ImageTrak™

High-resolution ultrasonic borehole imaging service

Applications

- Production optimization
- Reduce drilling risks
- Reservoir structure and dip determination
- Thin bed and lamination identification
- Secondary porosity evaluation
- Cement and borehole volume estimation
- Visual casing and liner running risk avoidance

Features

- Oil or water based mud compatible
- High sampling rate for drilling up to 400 ft/hr
- Three independent sensors
- 256 sector travel time and amplitude images
- 1/4-in. vertical resolution

Tool size	6½-in. (172 mm)
Hole size	8½-in. to 10-in. (212.7 mm to 254 mm)

VisiTrak™

Geospatial Navigation and Analysis Service

Applications

- Onshore / Offshore
- Deepwater
- Conventional Oil & Gas
- Pilot hole mitigation
- Highly deviated, horizontal and extended reach wells
- Reservoir Navigation / Geosteering and reservoir mapping

Features

- Low frequency measurements for extra deep resistivity measurements
- Cross component antenna technology allowing azimuthal sensitivity
- Early reservoir detection from overburden
- Multiple boundary / fluid contact detection
- Real-time - reservoir architecture mapping to seismic scale

Tool size	4½-in. (121 mm) 6½-in. (172 mm) 9½-in. (241 mm)
Hole size	5½-in. to 12½-in. (149 mm to 311 mm)

axAccelerate™ PLUS

High-speed mud-pulse telemetry service

Applications

- Critical wells
- Geosteering and optimized wellbore placement
- Extended-reach and complex 3D wells
- Performance drilling
- Required for extended formation evaluation BHA's

Features

- Downhole adjustable pulser setup via downlink
- Real-time formation evaluation data for reservoir navigation
- High-resolution downhole drilling dynamics data
- Bandwidth up to 40 bits per second physical and up to 256 bits per second compressed

Tool size	4½-in. (121 mm) 6½-in. (172 mm)
Hole size	5½-in. to 10½-in. (146 mm to 270 mm)

Wired-Pipe Telemetry

Applications

- Extended-reach wells
- Underbalanced drilling
- Geosteering
- Performance drilling
- Required for extended formation evaluation BHA's
- Enabling technology for delivering measurements along the string

Features

- Real-time formation evaluation memory quality data for reservoir navigation
- Bandwidth up to 57,600 bits per second
- High-resolution downhole drilling dynamics data of the BHA and optional along the string
- Drilling in environments where data transmission was not possible with mud pulse telemetry

Tool size	4½-in. (121 mm) 6½-in. (171 mm) 8½-in. (210 mm) 9½-in. (241 mm)
Hole size	5½-in. to 26-in. (146 mm to 660 mm)

Core Bits

Applications

- Onshore / Offshore drilling
- Conventional and Unconventional formations
- Extremely hard and abrasive formations
- Unconsolidated formations
- Highly fractured formations
- Shale Gas, Deep Water and Geothermal Drilling
- Horizontal and deviated Drilling
- Enhanced Oil Recovery Projects, specialized SOR Sponge Precision Core Bits

Features

- Talon Series PDC Core Bits
- ReV Impregnated Core Bits
- Natural Diamond Core Bits

Tool size	4½-in. to 9½-in. (120.6 mm to 241.3 mm)
Hole size	5½-in. to 17½-in. + (146.0 mm to 444.5 mm +)

Conventional Coring

Applications

- Onshore / Offshore drilling
- Conventional and Unconventional formations
- High Pressure / High Temperature formations
- Shale Gas, Deep Water & Geothermal Drilling
- Horizontal and deviated Drilling
- Consolidated and Unconsolidated formations

Features

- HT-Series (Heavy Duty, High Torque) Core Barrels
- Baker Hughes Core Bits
- CoreCora™ Low Invasiveness Technology
- Disposable, vented inner barrels
- Non Rotating Inner Tube Stabilizers

Tool Description	Core Size
HT10: 4½-in. (120.6 mm)	2½-in. (66.7mm)
HT12: 5½-in. (130.2 mm)	3-in. (76.2mm)
250P: 5½-in. (139.7 mm)	3½-in. (76.2mm)
250S: 6½-in. (165.1 mm)	4-in. (101.6mm)
HT30: 6½-in. (171.0 mm)	4-in. (101.6mm)
HT30 Max: 7½-in. (184.2 mm)	4½-in. (114.3mm)
HT40: 8-in. (203.2 mm)	4½-in. (120.6mm)
HT60: 9½-in. (241.3 mm)	5½-in. (133.4mm)
Large Core HT60	6-in. (152.4mm)

JamBuster™

Jam mitigation coring system

Applications

- Onshore / Offshore drilling
- Conventional and Unconventional formations
- High Pressure / High Temperature formations
- Shale Gas, Deep Water & Geothermal Drilling
- Horizontal and deviated Drilling
- Consolidated and fractured formations

Features

- Telescoping Sleeves allow continuous coring after jamming inside Inner Barrel
- Modular Coring System

Tool Description	Core Size
HT10: 4½-in. (120.6mm)	2½-in. (64.0mm)
HT12: 5½-in. (130.2 mm)	2½-in. (63.5mm)
HT30: 6½-in. (171.0 mm)	3½-in. (88.9mm)
HT30 Max: 7½-in. (184.2 mm)	4-in. (101.6mm)
HT40: 8-in. (203.2 mm)	4½-in. (120.6mm)
HT60: 9½-in. (241.3 mm)	5½-in. (133.4mm)

HydroLift™

Full closure catcher coring system

Applications

- Recovery of unconsolidated formation material
- HydroLift is available for the HT30 and HT60 core barrels, cutting 4 and 5½-inch diameter core samples, respectively
- The System also includes a slick entry feature that prevents fractured core from catching or jamming into the catcher

Features

- Full closure catcher completely seals the inner barrel
- Slick, unobstructed core entry
- Back-up conventional core catcher

Tool Description	Core Size
HT30: 6½-in. (171.0 mm)	4-in. (101.6mm)
HT60: 9½-in. (241.3 mm)	5½-in. (133.4mm)

LaserCut™

Quick access coring system

Applications

- Onshore / Offshore drilling
- Conventional and Unconventional formations
- Shale Gas, Deep Water & Geothermal Drilling
- Horizontal and deviated Drilling

Features

- Integral, one piece liners with LaserCut along its length
- Rapid access on surface
- Utilizes conventional equipment

Tool Description	Core Size
HT12: 5½-in. (130.2 mm)	2½-in. (63.5 mm)
HT30: 6½-in. (171.0 mm)	3½-in. (88.9 mm)
HT30 Max: 7½-in. (184.2 mm)	4-in. (101.6 mm)

Oriented Coring Services™

Applications

- Onshore / Offshore
- Conventional and Unconventional formations
- Consolidated formations

Features

- Knives in shoe assembly continuously scribe the core
- Oriented tools in the core barrel and survey tool rotationally coupled
- Identifies the core's in situ orientation

Tool Description	Core Size
HT10: 4 3/4-in. (120.6mm)	2 1/2-in. (66.7mm)
HT12: 5 1/2-in. (130.2mm)	3-in. (76.2mm)
HT30: 6 3/4-in. (171.0mm)	4-in. (101.6mm)
HT30 Max: 7 1/4-in. (184.2mm)	4 3/4-in. (120.6mm)
HT40: 8-in. (203.2mm)	5 1/4-in. (133.4mm)
HT60: 9 1/2-in. (241.3mm)	

Core Bits

Applications

- Onshore / Offshore drilling
- Conventional and Unconventional formations
- Extremely hard and abrasive formations
- Unconsolidated formations
- Highly fractured formations
- Shale Gas, Deep Water and Geothermal Drilling
- Horizontal and deviated Drilling
- Enhanced Oil Recovery Projects, specialized SOR Sponge Precision Core Bits

Features

- Talon Series PDC Core Bits
- ReV Impregnated Core Bits
- Natural Diamond Core Bits

Tool size	4½-in. to 9½-in. (120.6 mm to 241.3 mm)
Hole size	5½-in. to 17½-in. + (146.0 mm to 444.5 mm +)

CoreGel™

Downhole core encapsulation system

Applications

- Onshore / Offshore
- Conventional and Unconventional formations
- Horizontal and deviated Drilling

Features

- Encapsulates cores in a viscous, noninvasive, protective gel
- Increases core integrity during cutting
- Helps prevent jamming
- Reduces drilling fluid contamination

Tool Description	Core Size
HT30: 6½-in. (171.0mm)	4-in. (101.6mm)
HT60: 9½-in. (241.3mm)	5½-in. (133.4mm)

Vision Services

Wellsite and remote formation evaluation

FE-Vision™

Cuttings and Gas Evaluation Services

Applications

- All Drilling Environments

Features

- Gas sample collection and analysis of Methane- Pentane gasses
- Cuttings sample collection and lithology analysis
- Provides integrated data visualization
- Identification of potential hydrocarbon presence

HC-Vision™

Reservoir Characterization Services

Applications

- All Drilling Environments

Features

- Provides visual reservoir interpretation logs
- Provides indications of hydrocarbon porosity, permeability, volumetrics, saturations, geochemicals and fluid compartmentalization
- Processes data from current drilling projects and legacy projects independent of SLS provider
- Integrates with other formation evaluation services

CI-Vision™

Carbon Isotope Analysis

Applications

- All Drilling Environments

Features

- Continuous CI-C3 and CO2 Carbon Isotope ratio analysis
- Provides insight of source rock, maturity, transition zones and connectivity
- Indicators to biogenic, thermogenic or mixed gas and their origin
- Purpose built, rack mounted lab quality equipment

TRU-Vision™

Quantitative Gas Extraction and Analysis

Applications

- All Drilling Environments

Features

- Quantitative analysis of CI-C8 organic hydrocarbons and key inorganic gasses
- Heated quantitative gas extraction
- Constant flow and constant temperature
- Continuous quantification and visualization of mud density
- Automated and continuous gas extraction efficiency

STRATA-Vision™

Advanced Cuttings Evaluation

Applications

- Unconventional wells
- Extended-reach and horizontal wells
- Slimhole drilling
- HPHT zones

Features

- Formation evaluation log correlation with other FE datasets
- Identification of productive zones
- Chemostratigraphic profile and surface spectral - gamma
- Near real-time formation and kerogen geochemical analysis