The Rhino XC* 14250 series on-demand hydraulically actuated reamer enables complete control of reamer activation, eliminating pumpdown-device activation. This allows the Rhino XC reamer to be placed below ID-restricted BHA components, such as MWD and LWD tools.

Additionally, the reamer’s flow actuation allows the reaming mode to be changed in minutes, reducing reamer activation time and enabling an unlimited number of activation cycles during a run.

**APPLICATIONS**
- BHA placement below ID-restricted components such as MLWD tools
- Boreholes requiring multiple reaming and nonreaming intervals
- Rotary BHA near-bit reamer placement
- Highly abrasive formations
- Close-tolerance and expandable casing programs
- Extended-reach operations and other well profiles with inclination greater than 65° where conventional pumpdown activation is technically limited

**BENEFITS**
- Provides on-demand wellbore enlargement
- Improves drilling performance
- Ensures full-gauge concentric wellbores

**FEATURES**
- Unlimited activations regardless of wellbore inclination
- Full-flow capability in reaming and nonreaming modes
- Deployment and retraction of PDC cutter blocks in minutes
- Effective cleaning of borehole with integrated jet nozzle and flow paths

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### Specifications
- **Overall length (A), ft [m]** 19.42 [5.92]
- **Min. neck length (B), ft [m]** 2 [0.61]
- **Fishing neck OD (C), in** 9 1/2
- **Body diameter (D), in** 14 1/4
- **Pin to cutter block length (E), ft [m]** 9.47 [2.89]
- **Min. ID, in** 2 3/4
- **Min. flow by area, in² [cm²]** 24 [154.84]

### Operating Parameters
- **Hole opening size,† in** 15 3/4–18 1/4
- **Min. pilot hole size, in** 14
- **Min. collapsed diameter, in** 14
- **Max. flow rate, galUS/min [m³/min]** 1,700 [6.44]
- **Min. operating pressure, psi [MPa]** 500 [3.45]
- **Max. operating pressure, psi [MPa]** 3,000 [20.68]
- **Standard PDC cutter size, mm** 13, 16, or 19
- **Max. operating temperature, degF [degC]** 419 [215]

### Connections
- **Top** 7 ½ Reg box
- **Bottom** 7 ¾ Reg pin

### Assembled tool weight, lbm [kg]
- 4,955 [2,248] lbm

### Max. lost circulation material (LCM),‡ lbm/bbl [kg/m³]
- 50 [190] lbm/bbl

1 Hole opening size is configurable.

2 Higher LCM concentrations should be reviewed with a Schlumberger representative.

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*Mark of Schlumberger
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