

FracPoint EXTREME ball-activated frac sleeve

Increase stimulation efficiency
of extremely tight formations

The effectiveness of the fracture operation is often restricted by the pressure rating of the frac tools. This is especially true in extremely tight formations where pressures exceed 10,000 psi to perform the frac job. As wells continue to be drilled deeper, longer and in more challenging formations, high-performance completions technologies are critical to maximize stimulation efficiency and production.

The Baker Hughes **FracPoint™ EXTREME ball-activated frac sleeve** provides a fit-for-purpose engineered frac sleeve capable of withstanding extremely high pressures during hydraulic fractures. Built on industry-leading technologies, the FracPoint EXTREME frac sleeve maximizes completion flexibility with high stage count options at pressures up to 15,000 psi. The system uses a patented ball-and-seat interface to withstand this high-pressure rating and is compatible with dissolvable frac balls to open the sleeves, eliminating the need for ball flow back and related operational time and risks.

Dissolvable balls are stronger than composite frac balls and can hold pressure without deforming in an

industry-leading number of stages. As the ball reaches the sleeve, it shifts open and isolates the previous stage or zone below, exposing a new section of the lateral. The sleeve features a locking mechanism to ensure it remains open throughout the entire treatment. The sleeve's easy-to-mill ball seat also offers an anti-rotational feature that allows for efficient removal, if required.

To learn more about how you can increase your stimulation efficiency in extremely tight formations, contact your Baker Hughes representative.

FracPoint EXTREME ball activated frac sleeve ratings

Stage count	19
Pressure rating (psi)	15,000
Size	550–370
Casing (in.)	4.500
Max open hole (in.)	6.250
Maximum OD (in.)	5.500
Temperature (°F)	350

Applications

- Uncemented horizontal, deviated, and vertical wells
- Open Hole or cemented multi-stage completions
- Extremely tight formations
- Extended-reach laterals
- High pressure hydraulic fracturing
- Isolating proppant or chemical treatments
- Stimulating sandstone, carbonate and shale plays

Benefits

- Optimizes pumping efficiency of frac sleeve system
- Eliminates extrusion with specially designed ball and seat interface
- Enables optimal setting depth with the ability to rotate and withstands high circulation rates through the sleeve during deployment
- Reduces risk of washouts through frac ports with greater flow area than the casing string
- Features extremely robust hold-down system using Flex-Lock hanger technology
 - Transmits torque for liner rotation operations required to get to setting depth
 - Prevents component back-off through rotational lock