

BALL DROP FRAC SLEEVE RECLOSABLE

APPLICATION

Ball Drop Frac Sleeve Reclosable is designed for multistage hydraulic fracturing with activation balls of the corresponding size. The sleeve is opened hydraulically by pumping an activation ball into a special seat and increasing the tubing pressure.

- Uncemented casing / liner applications.
- Vertical, directional and horizontal wells.

FEATURES AND BENEFITS

- The Sleeve can be shifted mechanically with the indication of open/closed position.
- Acid-resistant design of all sleeve elements (HCL 14%).
- Can be used as the first toe sleeve.
- Circulation ports are opened by applying pressure after activation ball is seated in the ball seat.
- Locking mechanism holds the sleeve in open/closed position.
- Ball-seat design provides a pressure-tight seal during multistage fracturing.
- Withstands high tensile loads and high differential pressures.
- Ball seat locking mechanism prevents the seat rotation while milling out operations.

SUPPLY PACKAGE

- Ball Drop Frac Sleeve reclosable.
- Activation balls.

TECHNICAL DATASHEET

TECHNICAL CHARACTERISTICS	VALUE			
Liner OD, in	4.000	4.500	5.500	4.500 mod
Max OD, in	4.567	5.236	6.732	5.630
Min ID after milling, in	3.465	3.898	4.764	3.898
Circulation ports opening pressure, psi	4,800	4,600	4,500	5,100
Ports flow area, in ²	10.36	12.69	19.92	11.78
Number of ports, ea	6	6	8	20
Material*	P-110			Q-125
Max working temperature, °F	248			302
Burst, psi	10,000			14,500
Collapse, psi	10,000			14,500
Tensile, kip	157	157	303	225

* Other options are available as per Customer request.



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