

Rate Proppex Frac Sleeve System

Prevents inflow sand and proppant while maintaining pinpoint stimulation without adding completion complexity

Applications

- Offshore, low-mobility reservoirs that require high-rate multistage fracture stimulation and post-frac sand control
- Cemented, high-angle completions that require mechanical sand and proppant control during production
- Deep-sea wells where reducing sand-related intervention and erosion is critical
- Artificial-lift applications requiring protection from sand-related equipment wear

Features and Benefits

- Shifts a sand screen across the frac ports after stimulation to prevent inflow sand and proppant from entering the wellbore during production and flowback
- Uses a completion-integrated sand-control mechanism to support consistent production in sand-producing reservoirs
- Enables individual stages to be opened, closed, or screened throughout the well lifecycle for greater operational flexibility
- Limits sand accumulation within the wellbore to reduce production disruptions and cleanout requirements
- Combines stimulation and sand control in a single sleeve system to reduce completion complexity
- Protects artificial-lift equipment from sand-related wear to reduce workover and maintenance requirements

Tool Description

The Rate Proppex™ frac sleeve system combines pinpoint fracturing and sand control in a single completion system. Following stimulation, the sleeve shifts into screen mode to position a sand screen across the frac ports, helping prevent production and flowback sand as well as proppant from entering the wellbore. Drawing on technology from the proven Innovus™ frac sleeve platform, the system supports conventional reservoir applications while reducing the need for sand-related interventions.



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Specifications

Casing grade	L80-13CR	P110
Casing size	5.5 in [139.7 mm]	5.5 in [139.7 mm]
Casing weight	20 lbm/ft	23 lbm/ft
OD	7.66 in [194.6 mm]	7.99 in [202.9 mm]
ID	4.697 in [119.3 mm]	4.670 in [118.6 mm]
Length	10.20 ft [3.11 m]	10.03 ft [3.056 m]
Flow port area	58 in ² [374.2 cm ²]	58 in ² [374.2 cm ²]
Tensile rating	466,000 lb [207,287 daN]	729,000 lb [324,275 daN]
Torque rating	21,000 ft-lb [28,472 N·m]	30,000 ft-lb [40,675 N·m]
Burst strength	9,190 psi [63.4 MPa]	12,620 psi [87 MPa]
Collapse strength	8,830 psi [60.9 MPa]	11,080 psi [76.4 MPa]
Max temperature	275 degF [135 degC]	275 degF [135 degC]

