

## INFINITE FRACTURING SLIDING SLEEVE

Horizontal well stage fracturing technology, Currently, adopt the open hole packer plus sliding sleeve technology, is commonly used to open the fracturing sleeve by putting balls of different diameters. There are some shortcomings of this kind of technology: due to the need to input balls and ball seats of different diameters to realize the opening of the sliding sleeve, the number of stages is limited; the full diameter of the pipe string cannot be realized, and the fracturing friction is increased; Inevitably, it is necessary to drill the ball seat of the sliding sleeve, and the construction complexity which increases the danger. The IS infinite fracturing sliding sleeve focuses on solving the above problems and consists of coiled tubing tools combination, a fracturing sleeve, a valve, and a centralizer.

### APPLICATION

- » For casing cementing completions
- » Can be used for cemented tailpipes or openhole packers
- » Do not open the sliding sleeve with pitch, use coiled tubing to open the sleeve
- » Full path -4-1/2" or 5-1/2"

### FEATURES

- » The accuracy of the fracturing of the target interval is higher and the area of oil drainage is greater;
- » Provides an additional graded fracturing method for cementing completions, with no limit to the number of stages;
- » No perforation is required, saving time, fluid volume, cost, etc.
- » Full-diameter completion, no milling, no stage limitation, simple operation.
- » During fracturing, it is more convenient to have coiled tubing in the wellbore.
- » Unrestricted stratified fracturing
- » A faster, cheaper, more efficient stratified multistage fracturing solution
- » To reduce the use of fracturing fluid, the displacement of the upper layer is the pre-liquid of the lower layer.

- » Once the sand is blocked, the plugging can be quickly removed.
- » It can make the fracturing design have larger propping agent, optimized fracturing fluid volume, higher sand ratio, etc.
- » The sliding sleeve switch tool is also integrated with sand blasting perforator, which can be used as a precaution. Once the stratum can not be pressed, sandblasting perforation can be selected.
- Slide sleeve
- » Sleeve can be opened by pressure control, full size wellbore, no reduction;
- » The special design section used for cementing is divided into stages for fracturing;
- coiled tubing annulus fracturing tools.
- » Carried through the coiled tubing into the well to the target position ,pick up and lower,Mechanical down pressure680KG set;
- » Working pressure: 70MPa, working temperature: 150°C
- » Set in the sliding sleeve, achieve isolation from above and below, establish differential pressure, open the sliding sleeve;
- » Sealed fractured section ;
- » Can be repeatedly seated one trip.



Part No.	CASING	CASING WT.	PACKER OD	SLEEVE OD	SLEEVE ID	MATERIAL SPECIFICATION	FRACTURE GRADE	Flow area
IS001	4 <sup>1</sup> / <sub>2</sub> "	9.5-13.5lb/ft	3.77"	5.750"	3.920"	80-110ksi	12,000psi	827bar
IS002		15.1lb/ft	3.60"		3.740"		15,000psi	1,034bar
IS003	5"	17.0lb/ft	4.718"					
IS004		20.0-23.0lb/ft	4.530"					