JIACH ENERGY
SOLUTIONS

Sliding sleeve door

Side Door Sleeve SDS is used together tubing which when open, allows flow between the well tubing and the annular area. Which can be opened or closed by standard slickline methods to gain communication between the tubing/ casing annulus. It is designed with a landing nipple profile in the top sub, packing bores in both the top and bottom sub, and a non-elastomer seal package and with full tubing flow through the nipple and the sleeve.

This circulation & production sleeve is installed as an integral part of the main tubing string and any number of pieces can be run in a single tubing string. It can be run in either the open or closed position. The closing sleeve may be placed in three positions: open, equalizing, or closed. This operation is done with a positioning tool attached to a standard slickline tool string.

Available in mechanical and hydraulic configurations, sliding sleeves are adaptable to a wide range of well conditions, from conventional completions to advanced multi-stage fracturing and intelligent wells.

Applications

Sliding sleeves are widely used across various completion and production operations:

- **Multi-Zone Production Control**
  Selectively produce or isolate individual reservoir zones
- **Well Stimulation (Acidizing & Fracturing)**
  Enable efficient fluid placement for enhanced reservoir performance
- **Well Circulation & Kill Operations**
  Provide a reliable pathway for fluid circulation and well control
- **Gas Lift Operations**
  Facilitate gas injection to improve production in low-pressure wells
- **Water & Gas Shut-Off**
  Isolate unwanted zones to reduce water or gas production
- **Chemical Injection**
  Deliver corrosion inhibitors, scale inhibitors, and treatment chemicals

Benefits

- **Reduced Intervention Costs**
  Operate sleeves without pulling tubing, minimizing workover requirements
- **Enhanced Operational Efficiency**
  Quick and reliable zone control using slickline or hydraulic config
- **Improved Production Optimization**
  Maximize output by targeting high-performing zones and isolating problem areas
- **Increased Well Flexibility**
  Adapt to changing reservoir conditions over the life of the well
- **Enhanced Well Control & Safety**
  Enable rapid response for circulation and pressure management

Tubing Size	Tubing Size	Tubing Weight	Tubing Weight	Tubing ID	Tubing ID	Seal Bore	Seal Bore
in	mm	lb/ft	kg/m	in	mm	in	mm
2.375	60.3	4.6	6.85	1.995	50.67	1.875	47.63
2.375		4.7	6.99	1.995	50.67		
2.875	73	6.4	9.52	2.441	62	2.312	58.72
2.875		6.5	9.67	2.441	62		
3.5	88.9	9.2	13.69	2.992	76	2.812	71.42
3.5		10.3	15.33	2.992	76	2.75	69.85
4	101.6	10.9	16.22	3.476	88.29	3.312	84.12
4		11	16.37	3.476	88.29		
4.5	114.3	12.6	18.75	3.958	100.53	3.812	96.82
4.5		12.75	18.97	3.958	100.53		
4.5		15.2	22.62	3.826	97.18	3.688	93.68

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