

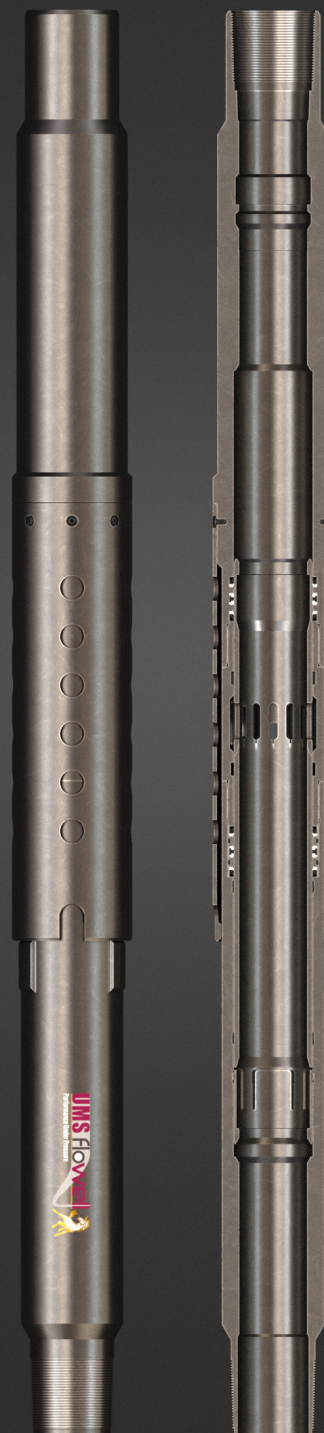
Sliding Sleeve

The Sliding Sleeve is a communication device with a ported inner sleeve that can be opened or closed using a shifting tool by standard slickline methods. It has an External Shroud that protects the ESP cable from erosion by removing it from the flow path.

The equalizing holes in the inner sleeve provide pressure equalization between the tubing and casing annulus as the sleeve is opened. The Sliding Sleeve is made up to and forms part of the tubing string. The Sliding Sleeve can be configured for shift down to open or shift up to open.

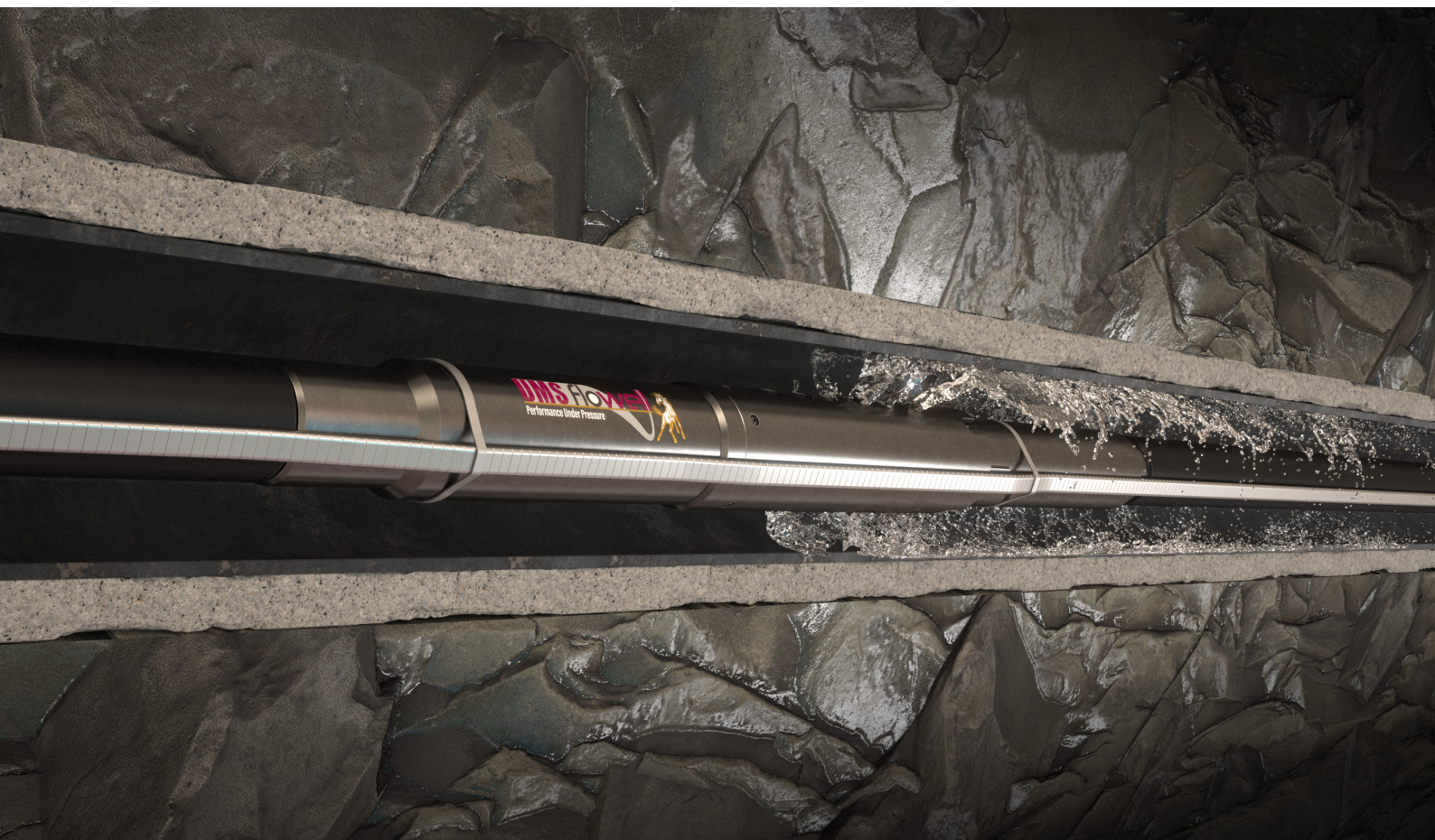
The simplicity of the Sliding Sleeve design provides long operating life. A fully open bore allows maximum production through the sleeve. All Sliding Sleeves have a customer specified landing nipple profile in the upper body, which allows landing, locking, and sealing of blanking plugs, pack-offs, and separation tools.

A polished bore in the lower body receives either separation tool pack-offs or a pack-off assembly. The Sliding Sleeve is used to establish a means of communication between the tubing string and the casing annulus for single-tubing or multiple-tubing string completions. The Sliding Sleeve may be used for directing flow from the casing to the tubing in alternate or selective completions. Other applications include killing a well, spot acidizing and fracturing, or equalizing pressure between an isolated formation and the tubing string.





Sliding Sleeve



Features & Benefits

- Available in 2-3/8" to 4-1/2" tubing size
- Customer specified landing nipple profiles
- Simple position adjusted protection sleeve for cables and service lines
- Redundant seal design
- Equalising slots in the inner sleeve permit gradual equalization between tubing and casing

Specifications

- Choice of shift down or shift up to open configuration
- Tubing matched strength
- Available in low alloy, stainless steel, or nickel alloy materials
- Elastomeric and Non-Elastomeric seal options to suit well conditions



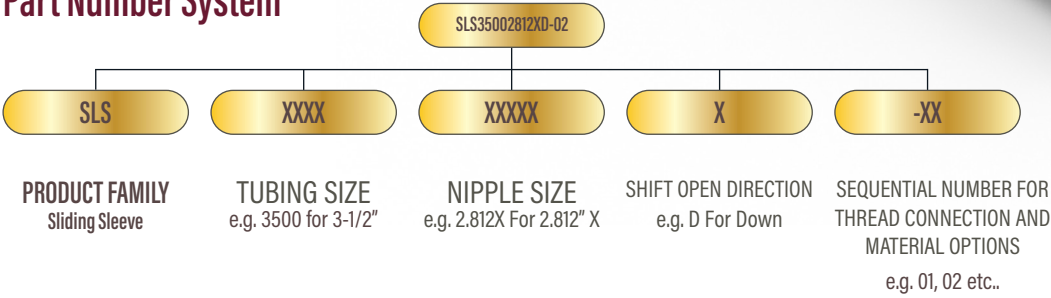
Sliding Sleeve

Tubing Size (in)	Weight Per Foot (lb/ft)	Nipple Size And Type	OD (in)	ID (in)	Flow Area (in ²)	Pressure Rating (psi)
2.375	4.6/4.7	1.875X	3.875	1.875	3.00	6,000
		1.8750R				
		1.875F				
2.875	6.4/6.5	2.312X	4.375	2.312	6.00	6,000
		2.3120R				
		2.312F				
3.500	9.2/9.3	2.750X	5.000	2.750	6.59	7,500
		2.7500R				
		2.750F				
3.500	9.2/9.3	2.812X	5.000	2.812	6.59	7,500
		2.8120R				
		2.812F				
4.500	12.6/12.75	3.812X	6.000	3.812	11.00	7,500
		3.8120R				
		3.812F				

Other Sizes May Be Available On Request
X - Otis X Selective Nipple Profile
OR - Otis R Selective Nipple Profile
F - Baker F Top No-Go Or Selective Nipple Profile



Part Number System



For example, part number SLS35002812XD-02 is a 3-1/2" 2.812 X Nipple sliding sleeve, shift down to open with 3-1/2" 9.2# VAM TOP connections in AISI 4140 material with HNBR seals.

