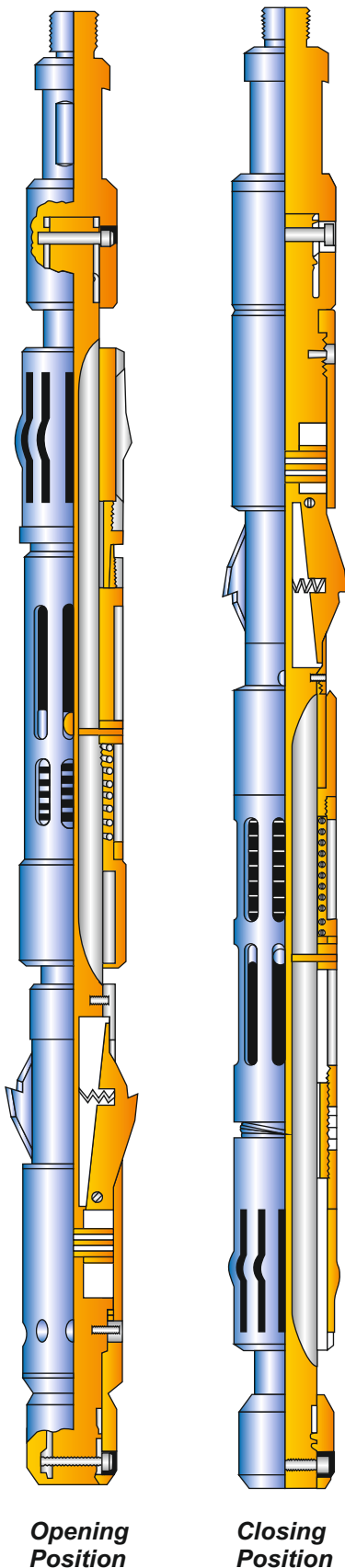


MODEL D-2 SHIFTING TOOL

The PARVEEN Model D-2 shifting tool is used to provide a safe, selective and controlled method of opening and closing Model 'L' sliding sleeve.

Advantages:

1. **Automatic locating collet:** Flags the operator when a sleeve is reached. It also indicates when the tool passes through a sleeve or a nipple.
2. **Proof of completed shift:** As soon as a shift, either open or close, is completed, an attempt to repeat the operation will give a positive indication that the shift was performed.
3. **Safety feature:** If the sleeve is opened in the presence of a differential pressure in favour of the annulus, the release mechanism is held inoperative by the flow until the pressure is balanced to allow safe removal.
4. **Open and close sleeves in one trip:** Shifting tools can be run in tandem if required to both open and close sleeves on the same run in a well. Run the tool with collect up to open sleeves or with collect down (Inverted position) to close sleeves.
5. **Deliberate release:** Even after the shifting tool is seated in the sleeve, it can be released without shifting the closing sleeve.



'D-2' SHIFTING TOOL			
'L' Sliding Sleeve Size I.D. (in)	Shifting Tool Collet Size O.D. (in)	Top Connection	F/N O.D. (in)
1.43	1.468	15/16 - 10 UN	1.188
1.50	1.531		
1.56	1.593		
1.62	1.656	15/16 - 10 UN	1.375
1.78	1.807		
1.81	1.843		
1.87	1.906	15/16 - 10 UN	1.750
2.25	2.281		
2.31	2.343		
2.75	2.781	1-1/16 - 10 UN	2.312
2.81	2.843		
3.68	3.743		
3.81	3.867	1-1/16 - 10 UN	2.312