

## Product Overview

The Model D-2 Shifting Tool provides a safe, selective and controlled method of opening and closing Model 'L' sliding sleeves.

### Key Features & Advantages

- **Automatic Locating Collet:** Flags the operator when a sleeve is reached and indicates when the tool passes through a sleeve or nipple.
- **Proof of Completed Shift:** Once an opening or closing shift has been completed, an attempt to repeat the operation provides a positive indication that the shift has already been performed.
- **Safety Feature:** If the sleeve is opened while differential pressure is present in favor of the annulus, the release mechanism remains inoperative due to flow until the pressure is balanced, allowing safe removal of the tool.
- **Open and Close Sleeves in One Trip:** Shifting tools can be run in tandem to both open and close sleeves during the same trip into the well.
  - Collet Up: Used to open sleeves.
  - Collet Down / Inverted Position: Used to close sleeves.
- **Deliberate Release:** The tool can be deliberately released even after being seated in the sleeve, without shifting the closing sleeve.

| Operation | Tool Position                   |
|-----------|---------------------------------|
| Opening   | Collet Up                       |
| Closing   | Collet Down / Inverted Position |



## Technical Data:

| '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                               |                |               |
| 1.78                              | 1.807                               |                | 1.375         |
| 1.81                              | 1.843                               |                |               |
| 1.87                              | 1.906                               |                |               |
| 2.25                              | 2.281                               |                | 1.750         |
| 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                               |                |               |