

HYDRAULIC SHIFTING TOOL

APPLICATION

The Shifting Tools are designed to open/close the sleeves mechanically.

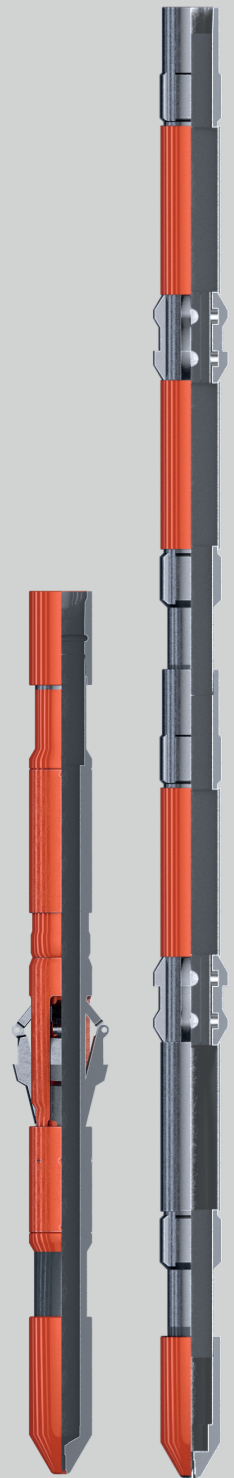
DESIGN FEATURES AND ADVANTAGES

- The tool keys are hydraulically activated at a differential pressure;
- The tool keys are automatically disengaged after opening/closing the sleeve;
- The assembly for emergency disengagement of the keys;
- Small outer diameter;
- Lever-action keys.



SPECIFICATIONS

Liner size, in	4	4 1/2	5 1/2	5 3/4
Tool OD, in	3,15	3,39	4,45	4,69
Activation pressure, psi	1 000	1 000	1 000	1 000
Maximum tensile load, lbs	90 000	110 000	140 000	140 000
Max working temperature, °F	250	250	250	250



*Thread type, metallurgy and elastomers are as per Customer`s requirements