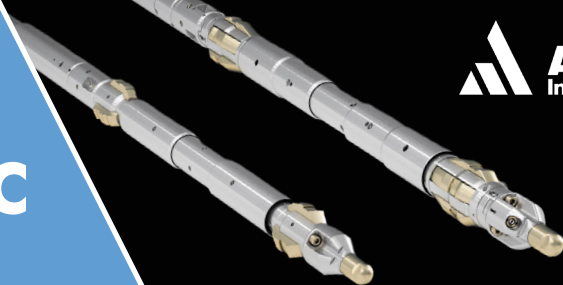


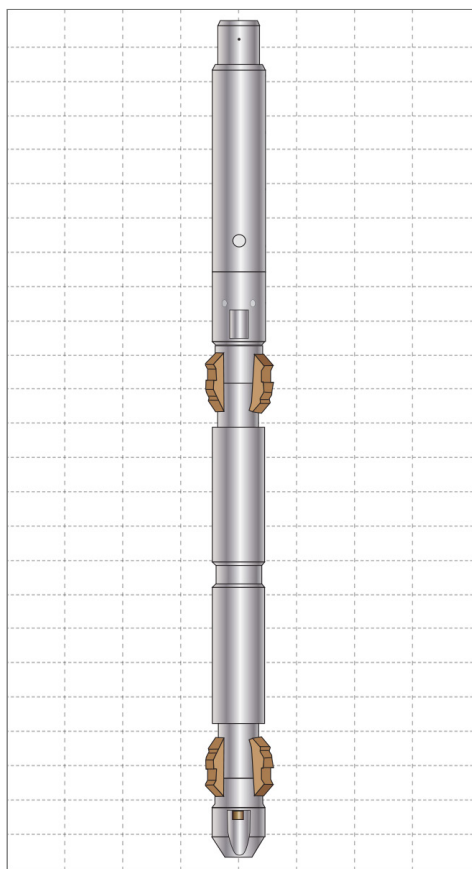
PRECISION MECHANICAL APPLICATIONS

PRECISIONHYDRAULIC SHIFTING TOOL



MAKING INTERVENTION
SMARTER

The **PrecisionHydraulic Shifting Tool** (HST) is a bi-directional shifting tool used in combination with the **PrecisionStroker** for selective opening or closing of sliding sleeves and completion valves.



APPLICATIONS

- Shifting of sliding sleeves and completion valves

FEATURES

- Two sets of shifting dogs per tool
- Deployed slick, and shifting dogs extended at required depth
- Multiple, fast response activation and deactivation functionality
- Improved profile engagement through spring-loaded dogs (in search mode)
- Run in conjunction with PrecisionStroker, offering downhole stroke force and position control (+/- 1 mm)
- Optional back up mechanical system to limit applied force
- Interchangeable shifting dog sets available for most common sleeves/valves

BENEFITS

- High operational efficiency; unlimited number of shifting sequences
- Real-time confirmation of the sleeve/valve movement
- Electrical feed-through allowing E-Line tools to confirm real-time impact of component manoeuvre

Service Name	HST 250	HST 338	HST 354	HST 441
Tool body outer diameter	2.500 inches / 63.5 mm	3.382 inches / 85.9 mm	3.543 inches / 90.0 mm	4.409 inches / 112.0 mm
Max shifting profile	2.81 inches / 71.4 mm	4.44 inches / 113 mm	4.17 inches / 106 mm	5.16 inches / 131.1 mm
Length	5.71 ft. / 1.74m	4.92 ft. / 1.5m	6.16 ft. / 1.88 m	4.92 ft. / 1.5 m
Number of shifting dogs up/down	3/3	3/3	5/5	3/3
Pressure rating	15,000 psi / 1,034 bar	15,000 psi / 1,034 bar	15,000 psi / 1,034 bar	15,000 psi / 1,034 bar
Temperature rating	177°C / 350°F	177°C / 350°F	177°C / 350°F	177°C / 350°F
Bi-directional	Yes	Yes	Yes	Yes
Electrical feed through¹	No	Yes	Yes	No

¹ When spacer extension is added there is no electrical feedthrough
other bespoke sizes available