

## HDS HOLD-DOWN SUB



HDS

### APPLICATION

HDS is designed to hold the Seal Assembly against the upward movement during multistage hydraulic fracturing. HDS is installed on the tubing above the Seal Assembly. HDS slips cut into the casing under the increased pressure, thus holding the Seal Assembly against the upward movements. HDS is deactivated by equalizing the pressure inside the tubing string and annulus by pulling the tubing string in tension.

- Vertical, directional and horizontal wells.

### FEATURES AND BENEFITS

- HDS slips are activated and remain engaged into the casing under the increased pressure.
- After deactivation springs return slips into initial position.
- Hydraulic activation of the tool eliminates the need of mechanical movement of the work string.
- HDS is a reusable tool with a service life of 7 activations.
- Withstands high tensile loads and high differential pressures.

### SUPPLY PACKAGE

- Hold-Down Sub.
- A set of spare parts.

### TECHNICAL DATASHEET

TECHNICAL CHARACTERISTICS	VALUE					
	Liner ID, in	5.750		6.625		7.000
Max OD, in	4.606	4.803	5.551	5.551	5.827	5.984
Min ID, in	2.795	2.992	2.992	3.898	2.992	3.898
Length, ft	1.0					
Material*	P-110					
Tensile, kip	202					
Burst, psi	10,000					
Collapse, psi	10,000					
Max working temperature, °F	212					

\* Other options are available as per Customer request.