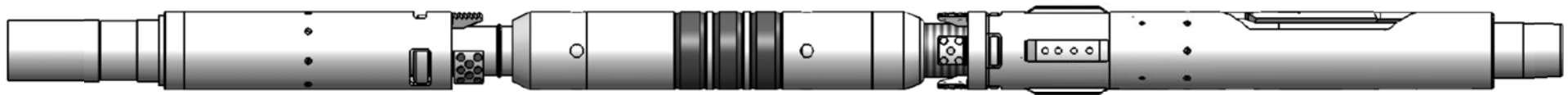


SPECIFICATIONS				
CASING	WEIGHT	MAX O.D.	MIN I.D.	CONNECTIONS
4-1/2"	9.5-13.5#	3.750"	1.938"	2-3/8 EU8Rd
5-1/2"	14-20#	4.625"	2.000"	2-3/8 EU8Rd
			2.375"	2-7/8 EU8Rd
	20-23#	4.500"	2.000"	2-3/8 EU8Rd



The Kline KS1-XW Packer meets the requirements for production, stimulation, and injection applications. The full-opening design provides unrestricted flow and allows wireline tools to pass. Mechanical lock-setting action holds substantial pressures from above or below without tubing weight or tension. A large internal bypass reduces the swabbing effect when running or retrieving. The bypass closes when the packer is set and opens before releasing the upper slips to allow for pressure equalization.

The standard KS1-XW Packer will withstand differential pressures up to 7,000 PSI. Carbide-tipped slips are optional. The packer is also available in a 10,000 PSI version. A standard T-2 On/off tool allows the tubing to be disconnected and retrieved without removing the packer. The packer can be set with compression, tension, or wireline, providing options for deployment in shallow and deep applications.

The KS1-XW Packer is comparable to the Weatherford Arrowset 1-X Packer.