



Description

The Fail Safe Head provides a means for safely connecting the flow from the drill pipe into the flow hose. It consists of a tool joint pin to connect with the drill pipe, a drop bar pin, a ball valve which can act as a master valve, and bearings to allow the drill pipe to rotate without twisting the flow lines.

Operation

At the top of the tool there is a valve plunger that closes off and opens the well flow. The plunger is held in the closed position by a spring. To move the plunger to the open position hydraulic pressure is used to counteract the spring. This way the well can be closed quickly and safely from a remote location by bleeding off the hydraulic pressure, allowing the spring to close the plunger.

Specifications

	STANDARD
O.D.	5"
I.D.	1.0"
Length	0.85 m (2.79')
Pressure Rating	5,000 PSI
Temperature Rating	-40 to 250°F
Tensile Strength	230,000 lbs
Connections	3½ IF
Service	H2S + CO2