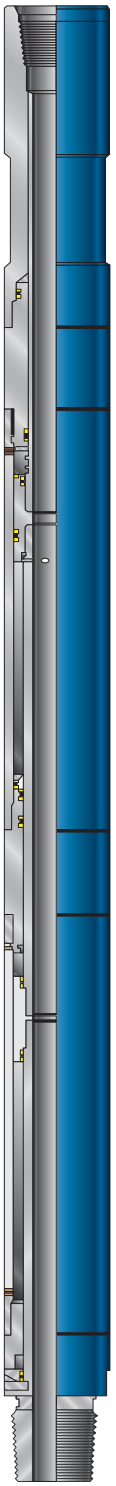
15K Fully Balanced Expansion Joint (FBEJ)

Description



The Fully Balanced Expansion Joint is a telescopic joint which allows 5 ft. of free travel up and down. The Expansion Joint is fully balanced to applied pressure and volume. This allows the string to contract and expand with temperature without affecting the internal or external pressures or volumes.

The primary reason for running Expansion Joints in the test string is to allow for thermal expansion and contraction. This will take place when the well os flowing and heats up, or when injection is taking place and the well cools down. The compensation for string movement allows for a constant and consistent weight to be set on a retrievable packer. It will restrict the movement of the seal assembly when using a permanent packer.

They are also used in high pressure stimulation operations where pressure can cause tubing movement due to ballooning.

The Expansion Joints are balanced to internal pressure and they are balanced to external pressure. This means that they can not be pumped open by applying pressure to the annulus or the tubing.

Operating Specification

NOMINAL TOOL SIZE	OD	5.00 in.
	ID	2.25 in.
	Length	22.75 ft.
		27.75 ft. Open
THREAD CONNECTIONS	Top	3 1/2 in. I.F. Box
	Bottom	3 1/2 in. I.F. Box
TEMPERATURE RATING	Standard	350º F
PRESSURE RATING	W.P.	15,000 psi
	Burst	33,000 psi
	Collapse	29,000 psi
TENSILE STRENGHT	535,000 lbs. @ 0 psi differential	
SERVICE	H2S, CO2, Acid	