

MODEL E THERMAL EXPANSION JOINT

PRODUCT 20-182

The **TechWest Model E Thermal Expansion Joint** is a swivel joint type Expansion Joint which will turn freely until fully extended or compressed.

The Model E Thermal Expansion Joint is normally run in conjunction with Permanent or Retrievable Production Packers. Full extension engages a clutch which allows torque to be transmitted through the joint. Incorporation of a locking pin will allow the Expansion Joint to be locked in the fully compressed position while running or retrieving the joint.

The Model E Expansion Joint is placed in the Tubing String to allow for pipe contraction or expansion, due to the effects of temperature or pressure. The Model 'E' Thermal Expansion Joint comes standard with a 3.0 m stroke.

The Model E Expansion Joint utilizes dual thermal seals to allow for use conditions up 400 °F. Manufactured from low alloy steel, in accordance with NACE specification MR0175 for H₂S Service, the Model E Expansion Joint is also available in other materials.

SPECIFICATIONS

20-182 SPECIFICATIONS								
Size		OD		ID		Product No.	Max # shear screws	Standard Connection
in	mm	in	mm	in	mm			
2 3/8	60.3	3.70	94.0	2.00	50.6	20-182-2010	4	2 3/8 EUE
2 7/8	73.0	4.50	114.3	2.44	62.0	20-182-2510	4	2 7/8 EUE
3 1/2	88.9	5.50	139.7	3.00	76.2	20-182-3010	4	3 1/2 EUE
4 1/2	114.3	6.65	168.9	3.94	100.0	20-182-4510	4	4 1/2 EUE

