

PRODUCT DATA SHEET

HYBRID SWELLABLE PACKER AND THERMAL EXPANSION SUB

This document provides the technical specifications and qualified operating limits for the Hybrid Swellable Packer and Thermal Expansion Sub designed for high temperature open hole and thermal completion applications.

HYBRID SWELLABLE PACKER - TECHNICAL DATA

Hole Size	6-1/8 in Open Hole
Maximum OD (Swollen)	7.5 in (190 mm)
Connection	4-1/2 in BTC Pin x Box
Available Lengths	3 ft / 5 ft / 7 ft (Modular)
Elastomer Type	Hybrid Oil and Water Swellable
Swell Time	10 to 15 days (fluid and temperature dependent)
Differential Pressure Rating	1000 psi at 575 F
Maximum Operating Temperature	575 F (302 C)
Body Material	L80 / 13Cr
Environmental Resistance	Oil, Water, Steam, H2S
Setting Method	Passive swelling
Retrievability	Permanent

THERMAL EXPANSION SUB - TECHNICAL DATA

Connection	4-1/2 in BTC Pin x Box
Stroke Length	Up to 600 mm (approx. 2 ft)
Maximum Operating Temperature	575 F (302 C)
Axial Load Capacity	Greater than 140 metric tons
Pressure Integrity	Non pressure containing
Body Material	L80 / 13Cr
Sealing System	Viton O rings (debris exclusion only)
Operating Principle	Passive telescopic sliding

Both products are designed to be used together in thermal well completions. Detailed qualification and validation test reports are available upon request.

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