

20-in. RTTS® High-Expansion Packer

OVERVIEW

The 20-in. RTTS® High-Expansion packer is part of the industry-acclaimed RTTS packer family and is designed to be used for well suspension, testing, treating and squeeze operations. This premiere large-bore well abandonment solution is qualified to API 11D1/ISO 14310 Grade V3 standards.

A unique design enables it to be safely run in a restricted inner diameter (ID), providing a reliable anchor point and mechanical barrier within the casing. It is commonly used in conjunction with the Subsurface Control Valve (SSC) assembly to facilitate rapid, reliable well suspension without the need to fully recover the drillstring or bottomhole assembly (BHA). The 20-in. RTTS High-Expansion packer can be unset and retrieved by simply moving the workstring upward.

FEATURES AND BENEFITS

- » It offers industry-leading expansion capability in a 20-inch casing.
- » It is qualified and proven to meet industry API and ISO standards.
- » The optimized through bore to allow for high volumes of circulation.
- » Simple tubing manipulation allows the packer to be set and relocated as many times as needed.*
- » The rugged design of the packer element provides excellent sealing and the ability to reset the packer more than once.
- » Tungsten carbide slips provide greater holding capacity and improved wear resistance in high-strength casing.
- » Pressure through the tubing or below the packer activates the slips in the hydraulic hold-down mechanism, preventing upward movement.
- » Several accessories can be incorporated into the packer (i.e., RTTS circulating and SSC valves) to provide an optimal solution for multiple operations onsite.
- » It suspends the well without the need to recover the drilling BHA, minimizing downtime by allowing operations to continue without rerunning the complete drilling assembly.

*Specific operational information must be considered before multiple sets are conducted.



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Casing Size in.	Packer Main Body OD in. (mm)	Packer ID in. (mm)	Nominal Casing Weight lb/ft	Temp °F (°C)	Min Casing ID in. (mm)	Max Casing ID in. (mm)	Tensile Rating lb (kg)	Max Working Pressure psi (MPa)	API/ISO Validation
20 (508)	17.250 (438.15)	4.125 (104.78)	133 to 187	40 to 1 (4.4 to 71.1)	17.257 (438.33)	17.980 (456.69)	1,000,000 (453 592)	2,500 (17.24)	V3

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