

WELLBORE SERVICE TOOLS | RETRIEVABLE TOOLS

RTTS® V3 packer

Robust, field-proven design that helps minimize down time

FEATURES

- Full-opening design of the packer mandrel bore allows large volumes of fluid to pump through the tool
- TCP guns and wireline equipment can be run through the packer
- Packer can be set and relocated as many times as necessary with simple tubing manipulation*
- Tungsten carbide slips provide greater holding capacity and improved wear resistance in high-strength casing
- Pressure through the tubing activates the slips in the hydraulic hold-down mechanism
- Assembly tensile strengths over 1 million pounds available

Overview

The RTTS® V3 packer is a full-opening, hookwall packer used for well suspension, testing, and treating operations. The assembly is qualified to API 11D1 requirements across the full range of the packer. In most cases, the tool is run with a subsurface control valve (SSC) assembly to allow for fast, reliable well suspension without having to fully recover the drill string or bottomhole assembly (BHA). The RTTS V3 packer can also be unset and retrieved by simply moving the workstring upwards.

The packer body includes a J-slot mechanism, mechanical slips, packer elements, and hydraulic slips. Large, heavy-duty slips in the hydraulic hold-down mechanism provide a dependable anchor that helps prevent the tool from being pumped up the hole.

Drag blocks activate the J-slot and mechanical slip, which can support loads over 1 million pounds. Automatic J-slot sleeves are standard equipment on all packer bodies, helping to ensure ease of operation even in deep water applications.

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

Benefits

- Qualified and proven to industry API standards
- Validated to max tensile and pressure combined loads
- Can be run with multiple accessories, such as RTTS circulating and SSC valves, to cover multiple operations on location
- Robust, field-proven design based on high strength RTTS packer
- Suspends the well without the need to recover the drilling BHA, minimizing down time by allowing operations to continue without the need to rerun the complete drilling assembly



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RTTS® V3 packer - technical specifications

CASING SIZE	PACKER MAIN BODY OD	PACKER ID	NOMINAL CASING WEIGHT	MINIMUM CASING ID	MAXIMUM CASING ID	TENSILE RATING*	API 11D1 VALIDATION*
IN.	IN. (MM)	IN. (MM)	LB/FT	IN. (MM)	IN. (MM)	LB (KG)	
7	6.00 (152.4) 5.940 (150.9)	2.375 (60.3)	23.0 - 26.0 29.0	6.187 (157.2) 6.087 (154.6)	6.466 (164.2) 6.293 (159.8)	162,200 (73,572) 155,000 (70,306)	V3R, 5,000 PSI 100-250F
9 5/8	8.380 (212.9)	3.750 (69.9)	36.0 - 47.0	8.561 (217.4)	9.05 (229.9)	445,531 (202,089)	V3, 5,000 PSI 100-250F
10 3/4	9.280 (235.7)	3.50 (88.9)	65.7	9.415 (239.1)	9.723 (247.0)	350,000 (158,757)	V3, 6,500 PSI 150-250F
10 3/4	8.875 (225.4)	3.50 (88.9)	73.2 - 85.3	8.976 (228.0)	9.577 (243.3)	350,000 (158,757)	V3, 6,500 PSI 150-250F
13 3/8	11.94 (303.28)	2.44 (62.0)	54.5 - 72.0	12.203 (320.0)	12.783 (324.7)	1,000,000 (453,592)	V3, 8,000 PSI 38-180F
13 5/8	11.94 (303.28)	2.44 (62.0)	86.0 - 88.2	12.203 (320.0)	12.783 (324.7)	1,000,000 (453,592)	V3, 8,000 PSI 38-180F
14	11.94 (303.28)	2.44 (62.0)	103.5 - 113.0	12.203 (320.0)	12.783 (324.7)	1,000,000 (453,592)	V3, 8,000 PSI 38-180F
16	14.18 (360.2)	3.00 (76.2)	95.0 - 109.0	14.509 (373.0)	15.079 (383.0)	1,000,000 (453,592)	V3, 7,500 PSI 38-180F

*Full tested operating envelopes including hang weight range available.

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