

PRODUCT OVERVIEW:

The RH1 Hydraulic Set Double Grip Retrieval packer is a high performance packer designed for single string applications where mechanical manipulation of the packer is not possible or practical; such as in high angle well bores, where multiple packers must be stacked in a single well bore, or where the wellhead is to be flanged up prior to setting the packer.

The RH1 is set by applying pressure to the tubing string and is released by applying tension to the tubing string. An integral equalization valve ensures tubing to annulus pressure is balanced during release and retrieval. Releasing shear force is field adjustable prior to running to accommodate particular well conditions.

The RH1 is the most compact packer of its kind for ease of handling and deployment and is extremely simple and economical to service and re-dress. Re-configuration to accommodate a change in casing weight is accomplished by changing only the elements, gauge ring and spacer rings. The RH1 uses minimal o-rings, which ensures minimal possible leak paths. Apart from the by-pass seal, all critical o-rings are below the packing elements resulting in the most secure and reliable packer available.

Standard configuration includes materials which conform to NACE MR-01-75 for H2S service applications with differential pressure ratings of up to 7,500 psi . The RH1 is also available in alternate materials and configurations for severe environments and higher differential pressure ratings. A full line of accessory equipment is available such as on/off seal connectors, pump out plugs, expansion joints, tension release subs and profile nipples.

FEATURES:

- Largest possible bore through the packer.
- Simple hydraulic set by pressuring upon tubing string.
- Ideal for highly deviated wells or stacked completions.
- No mandrel movement during setting.
- Large piston area allows low setting pressures.
- Simple straight pull shear release.
- Minimal o-rings and leak paths.
- Optional test clamp allows full surface pressure test prior to running.
- Reliable three piece multi durometer packing element.
- Extremely compact for ease of handling and deployment.
- Extremely simple for ease of service and re-dress.
- Rig floor convertible to alternate casing weights without disassembly.
- May be landed in neutral, tension or compression.
- May be set after well head is flanged up.
- Double acting slip system securely holds loads from above and below.
- Packing element holds pressures from above and below.
- Packer seals and grips tighter as pressure increases from either direction.
- Wide variety of elastomer options available.
- Available in corrosion resistant alloys for hostile environments.
- All standard and premium thread connections are available.
- Up to 7,500 psi differential pressure rating.
- Higher differential pressure ratings available.





RH1 - HYDRAULIC SET DOUBLE GRIP RETRIEVABLE PACKER

PRODUCT No. 15-155 / 15-158

Get More From Every Completion

TECHNICAL BROCHURE

Technical Specifications:

RH1 Retrievable Packer Technical Specifications						
Casing				Packer		
Size		Weight Range		ID	OD	
in	mm	lb/ft	kg/m		in	mm
4.500	114.30	9.50 - 13.50	14.14 - 20.09	Full Bore Nominal Tubing ID	3.771	95.78
5.000	127.00	15.00 - 18.00	22.32 - 26.79		4.125	104.78
5.500	139.70	13.00 - 15.50	19.35 - 23.07		4.781	121.44
		15.50 - 17.00	23.07 - 25.30		4.641	117.88
		20.00 - 23.00	29.76 - 34.23		4.500	114.40
6.625	168.28	24.00 - 28.00	35.72 - 41.67		5.625	142.88
		28.00 - 32.00	41.67 - 47.62		5.484	139.29
7.000	177.80	17.00 - 20.00	25.30 - 29.76		6.266	159.16
		23.00 - 26.00	34.23 - 38.69		6.078	154.38
		26.00 - 29.00	38.69 - 43.16		5.968	151.59
		32.00 - 35.00	47.62 - 52.09		5.812	147.62
7.625	193.68	20.00 - 24.00	29.76 - 35.72		6.812	173.02
		24.00 - 29.70	35.72 - 44.20		6.672	169.47
		33.70 - 39.00	50.15 - 58.04		6.476	164.49
9.625	244.48	40.00 - 47.00	59.53 - 69.94		8.437	214.30
		47.00 - 53.50	69.94 - 79.62	8.218	208.74	

*Additional Sizes and Configurations Available
Contact WellBoss Representative for Tool Specific Specifications*

Rev. A

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