



LH Liner Hanger Packer

LH Liner Hanger Packer with Hold-Down Slips

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The LH Packer is retrievable, with a sleeve-type packoff element. It is used as the bottom liner hanger and packer, or as a tension packer. The LH Packer is set by weight and is available with or without hold-downs. It has differing applications depending on the use of hold-downs.

Without Hold-Downs

Without hold-down slips, the LH Packer is used on the bottom of a full liner to the surface or on a scab liner.

Setting

At the desired setting depth, pick up, rotating to disengage the J-slot, and set down. Weight sets the slips and compresses the packoff element, sealing it securely against the casing wall. No setting tool is necessary. The LH Packer is available with either right- or left-hand J-slot.

Retrieving

Straight pick-up on the liner releases the LH Packer.

With Hold-Downs

The LH Packer with hold-down slips is a retrievable production packer which can be used to suspend pre-packed, drillable or conventional steel screens in flowing or pumping wells.

Setting

The LH Packer with hold-down slips is set using the LN Setting Tool. The packer is set by picking up and rotating to the left, disengaging the J-slot. Slack off until about 12,000 pounds of setting string weight is on the packer. This requires travel of about six inches at the packer. Then pick up until about 2,000 pounds is resting on top of the tool. Rotate 12 turns to the right to release the setting tool, pick up and come out of the hole.

Retrieving

To retrieve the packer, latch onto tool connection at the top and pull.

LH Liner Hanger Packer Specifications

CASING SIZE				LINER SIZE O.D.		MAXIMUM BODY O.D.	
O.D.	WEIGHT RANGE			In.	Mm.	In.	Mm.
In.	Mm.	Lb./Ft.	Kg./M.	In.	Mm.	In.	Mm.
4	101.6	9.5-11.6	14.1-17.3	2½	60.3	3¾	80.2
4½	114.3	9.5-13.5	14.1-20.1	2½	60.3	3¾	92.9
4½	114.3	9.5-13.5	14.1-20.1	2½	73.0	3¾	92.9
5	127.0	11.5-13.0	17.1-19.4	3½	88.9	4¼	107.6
5	127.0	13.0-18.0	19.4-26.8	3½	88.9	4¼	103.2
5½	139.7	14.0-20.0	20.8-29.8	3½	88.9	4¼	115.9
5½	139.7	14.0-17.0	20.8-25.3	4	101.6	4¼	119.1
5½	139.7	17.0-20.0	25.3-29.8	4	101.6	4¼	115.9
5¾	146.1	17.0-22.5	25.3-33.5	3½	88.9	4¼	122.2
5¾	146.1	17.0-22.5	25.3-33.5	4	101.6	4¼	122.2
6	152.4	15.0-20.0	22.3-29.8	4½	114.3	5¼	133.4
6½	168.3	19.0-24.0	28.3-35.7	4½	114.3	5½	142.9
6½	168.3	26.0-32.0	38.7-47.6	4½	114.3	5½	136.5
7	177.8	17.0-23.0	25.3-34.2	5½	139.7	6½	155.6
7	177.8	26.0-32.0	38.7-47.6	4½	114.3	5¾	146.1
7	177.8	20.0-26.0	29.8-38.7	4½	114.3	5½	149.2
6½	168.3	19.0-24.0	28.3-35.7	5*	127.0*	5½	142.9
7	177.8	26.0-32.0	38.7-47.6	5	127.0	5¼	146.1
7	177.8	20.0-26.0	29.8-38.7	5	127.0	5½	149.2
7	177.8	20.0-26.0	29.8-38.7	5½*	139.7*	5½	150.8
7½	193.7	20.0-26.0	29.8-38.7	5	127.0	6½	168.3
7½	193.7	26.4-33.7	39.3-50.2	5	127.0	6¼	163.5
7½	193.7	33.7-39.0	50.2-58.1	5	127.0	6¼	158.8
7½	193.7	20.0-26.4	29.8-39.3	5½	139.7	6½	168.3
7½	193.7	26.4-33.7	39.3-50.2	5½	139.7	6¼	163.5
8½	219.1	24.0-32.0	35.7-47.6	5½	139.7	7½	190.5
8½	219.1	32.0-40.0	47.6-59.5	5½	139.7	7½	185.7
8½	219.1	40.0-49.0	59.5-72.9	5½	139.7	7½	181.0
8½	219.1	24.0-32.0	35.7-47.6	6½	168.3	7½	190.5
8½	219.1	32.0-40.0	47.6-59.5	6½	168.3	7½	185.7
9½	244.5	29.3-40.0	43.6-59.5	7	177.8	8¾	214.7
9½	244.5	43.5-53.5	64.7-79.6	7	177.8	8¾	208.0
9½	244.5	32.0-40.0	47.6-59.5	7½	193.7	8¾	214.7
9½	244.5	40.0-47.0	59.5-69.9	7½	193.7	8¾	211.1

Popular sizes shown. Other sizes available from your TIW representative. *I.D. restricted for some weights.