



## HB Retrievable Packers

**Product:** HB and HB-6 Packers

**Type:** Retrievable

**Set:** Mechanical

**Retrieve:** Straight Pull

The TIW HB Series Packers are designed for maximum flexibility, simplicity and reliability.

The HB-6 Packer is specially designed for high-pressure wells, whereas the HB Packer is recommended for low-to-medium pressure applications. Furthermore, the HB-6 Packer can be used in single or dual completions, production testing, casing tests, cementing, gravel pack, treating, stimulation and injection.

The outstanding feature of these packers is the dependability of holding firm against downhole conditions. The economical HB Packer has heavy-duty, single-grip hold-up slips. The HB-6 Packer also has heavy-duty hold-down slips for the high-pressure wells. In addition, the HB-6 Packer features a positive differential lock that automatically increases in response to differential pressure from below the packer.

Both HB Series Packers are extremely easy to run, retrieve and reposition due to very large bypass areas. Setting requires only a ¼ right turn; retrieval, a straight pull.

### Other Features

- Automatic bottom device locks slips in the retracted position. No rotation is needed when the tubing is raised the full stroke of the mandrel.
- Heavy-duty mandrel for maximum burst/collapse resistance.
- In the HB-6, button-type hold-down slips are isolated from the tubing to prevent drag when running.
- 360° hold-down when slips are engaged.
- Heavy-duty, three-unit slips are fully retracted when running-in or coming out of the hole.

### Setting

1. Run the packer and tubing in hole to desired depth.
2. Space out the tubing.
3. Pick up on the tubing while rotating to the right ¼ turn at the packer.
4. Slack off on the tubing and apply desired set-down weight to complete packoff.

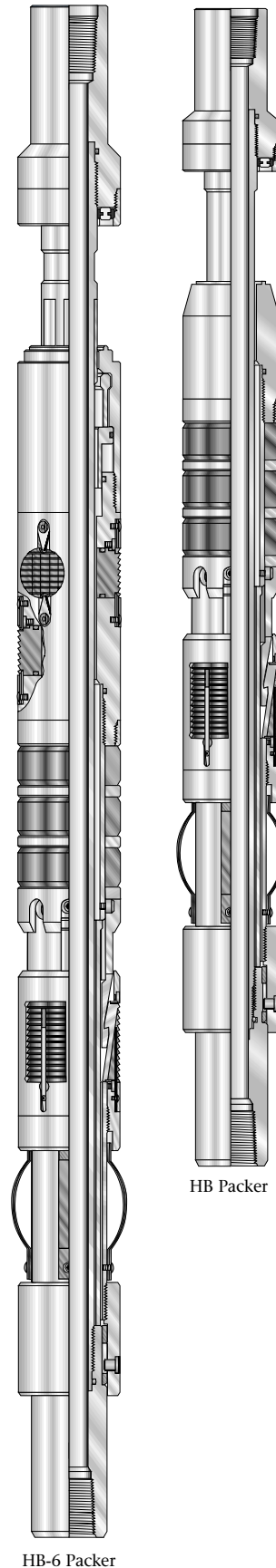
### Retrieving

1. A straight pick-up on the tubing allows the bypass to open and the packer to equalize.
2. Further straight pick-up engages the automatic J allowing the packer to be repositioned or retrieved.

### HB-6 Packer Specifications

CASING SIZE				NOMINAL TUBING SIZE	MAXIMUM TOOL BODY O.D.	MINIMUM I.D.	CONNECTION* STANDARD THREAD (BOX UP, PIN DOWN)				
O.D.	WEIGHT RANGE		In.					Mm.	In.	Mm.	In.
In.	Mm.	Lb./Ft.	Kg./M.	In.	Mm.	In.	Mm.	In.			
4½	114.3	9.5-13.5	14.1-20.1	2	50.8	3¾	95.3	1⅞	47.6	2⅝	EUE 8RD
5	127.0	13.0-18.0	19.4-26.8	2	50.8	4¼	103.2	2	50.8	2⅝	EUE 8RD
5½	139.7	14.0-20.0	20.8-29.8	2	50.8	4⅝	117.5	2	50.8	2⅝	EUE 8RD
5½	139.7	20.0-23.0	29.8-34.2	2	50.8	4½	114.3	2	50.8	2⅝	EUE 8RD
7	177.8	20.0-29.0	29.8-43.2	2½	63.5	5⅝	150.0	2⅝	60.3	2⅝	EUE 8RD
7	177.8	26.0-32.0	38.7-47.6	2½	63.5	5¾	146.1	2⅝	60.3	2⅝	EUE 8RD
7⅝	193.7	20.0-26.4	29.8-39.3	2½	63.5	6⅝	172.2	2½	63.5	2⅝	EUE 8RD
7⅝	193.7	26.4-33.7	39.3-50.2	2½	63.5	6⅝	167.1	2½	63.5	2⅝	EUE 8RD
7⅝	193.7	33.7-39.0	50.2-58.1	2½	63.5	6⅞	163.5	2½	63.5	2⅝	EUE 8RD
9⅝	244.5	40.0-47.0	59.5-69.9	3	76.2	8⅝	212.7	3	76.2	3½	EUE 8RD
9⅝	244.5	43.5-53.5	64.7-79.6	3	76.2	8¼	209.6	3	76.2	3½	EUE 8RD

\*Threads shown are "standard" sizes. Other threads are available upon request.



HB Packer

HB-6 Packer