

Hydro-8 Production Packer

The Hydro-8* retrievable production packer is a compact, large-bore, hydrostatically set, double-grip packer.

APPLICATIONS

- Bottom packer in multiple-zone dual completions
- Single-zone completions

BENEFITS

- Quick and reliable installation in highly deviated wells
- Suitable for highly deviated wells and multiple-packer completions

FEATURES

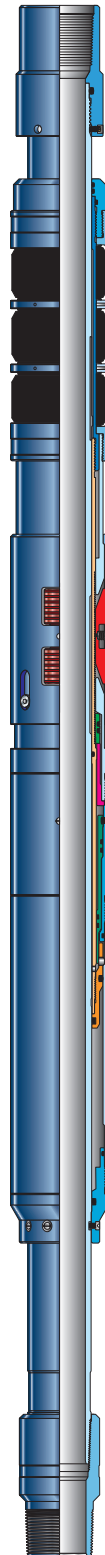
- Packer features a fully adjustable, straight-pickup, shear-release system.
- Built-in equalizing and circulating system ensures increased safety and easy retrieval.
- Design is compact.
- Design is field proven.

It is used in a variety of applications, including single-zone isolation, multiple-string hookups, selective multiple-zone production, and stimulation. The Hydro-8 packer features a mechanical, bidirectional slip system to anchor the packer and resist upward and downward tubing movement. It also has a built-in internal bypass system that allows formation pressure to equalize before the slip is fully released.

The Hydro-8 packer is set by applying tubing pressure, which acts on the packer's setting piston area, shears the setting screws, and activates the packer-setting mechanism. The setting-mechanism trigger pressure is adjusted by adding or removing easily accessible shear screws. The packer's hydrostatic chamber allows the packer to be successfully set at lower pump pressures.

Once the packer is fully set, the pack-off force is mechanically locked into the slips and sealing element with a positive lock-ratchet mechanism. This allows the tubing to be landed in either compression or neutral condition.

The Hydro-8 packer does not require tubing manipulation during setting and can be set after the wellhead has been installed. Packer release is accomplished by a simple upward pull on the tubing string. Unlike many hydrostatic packers, the Hydro-8 packer can be adjusted or redressed in the field by onsite personnel. This packer also features an optional slickline-intervention, selective-set feature with a choice of upward or downward shift.



Hydro-8 Production Packer Specifications

Casing Size, [†] in [mm]	Casing Weight Range, lbm/ft	Max. OD, in [mm]	Nominal ID, [‡] in [mm]	Max. Working Temperature, degF [degC]
4.500 [114.3]	9.5–13.5	3.771 [95.8]	2.000 [50.8]	275 [135]
5.000 [127.0]	11–13	4.250 [108.0]	2.000 [50.8]	275 [135]
5.000 [127.0]	15–18	4.125 [104.8]	2.000 [50.8]	275 [135]
5.500 [139.7]	15.5–20	4.641 [117.9]	2.441 [62.0]	325 [163]
5.500 [139.7]	20–23	4.500 [114.3]	2.441 [62.0]	325 [163]

[†] Other sizes are available on request. Contact your local Schlumberger representative.

[‡] ID may vary depending on connecting configuration selected.