

Premier NXT removable production packer

Combines permanent gas-tight sealing now, with the flexibility to retrieve later

The **Premier™ NXT removable production packer** delivers gas-tight sealing to maintain well control during production, and releases when cut to provide easy packer removal later. It is a hydraulically-set, large-bore retrievable packer built on the same proven technology of the original Premier packer.

This packer is rated to 10,000 psi (690 bar) operating pressure at temperatures up to 400°F (204°C). It features two sets of slips, one above and one below a three-piece packing element. The slips and element are designed to withstand high compressive and tensile loads combined with annular pressure from above or below.

The Premier NXT production packer also features the proprietary Baker Hughes **Aptum™ sealing element**, which balances the chemical and low-temperature stability of HNBR with the high-temperature and H₂S resistance of AFLAS® materials.

The packer is threaded directly to the production tubing and run in hole

during installation. A blanking plug is set below the production zone and maintains a seal below the packer, enabling the operator to increase hydraulic pressure and actuate the packer. The increased pressure sets the upper slips first, then expands the packing element against the casing, and finally sets the lower slips, locking the packer in place.

When the packer needs to be removed, a cutter is run inside the production tubing and positioned just below the lower slips inside the mandrel. The cutter is used to sever the inner packer mandrel enabling the slips to disengage from the casing wall and the packing element to relax. The packer can then be removed from the well with the production tubing.

Contact your Baker Hughes representative to learn more about how the Premier NXT removable production packer delivers reliable sealing and removability in a single design.

Applications

- Multizone, monobore, and extended-reach completions
- Onshore and offshore wells

Benefits

- Offers increased application and chemical flexibility with the Aptum sealing element
- Reduces triaxial stresses for more efficient performance
- Offers a bubble-tight seal (API 11D1) V0-rated, up to 10,000 psi and 400°F
- Enables one-trip retrieval on tubing
- Eliminates related milling time and fishing costs
- Provides the same easy setting procedure for single- and multiple-packer completions
- Enhances reliability with field-proven zero-extrusion backup system
- Reduces safety and environmental risks

Specifications

Size	593-387	831-387
Casing size	7.000 in.	9.625 in.
Casing weight	26.0-32.0 lb/ft	47.0-53.5 lb/ft
Differential pressure rating	up to 10,000 psi (690 bar)*	
API IID1 validation grade	V0	
Packing element material	Aptum/HNBR	Aflas
Temperature range	40-350°F (4.4-177°C)	200-400°F (93-204°C)
Connection size	4.5	
Maximum OD	5.93 in.	8.31 in.
Minimum ID	3.875 in.	3.875 in.

* Pressure rating is dependent on metallurgy