

MRP-ESP

Modular dual-completion packer

APPLICATIONS

- ESP completions
- Zonal isolation
- Vertical, deviated, or horizontal wellbores

BENEFITS

- Simplified operations reduce rig costs

FEATURES

- Hydro-test capability of feed-through connections
- Ability to pressure test the system at the surface
- Minimized tubing movement during installation
- Reduced debris buildup above slips
- Easy to circulate out debris before retrieval
- Positive casing grip secures packer
- Slips located below sealing element
- Equalization system above the element
- Adjustable, straight-pull shear release
- Field-proven sealing element
- Bidirectional slips
- Minimized end effect on shear-release screws
- Dual bore with multiple ports

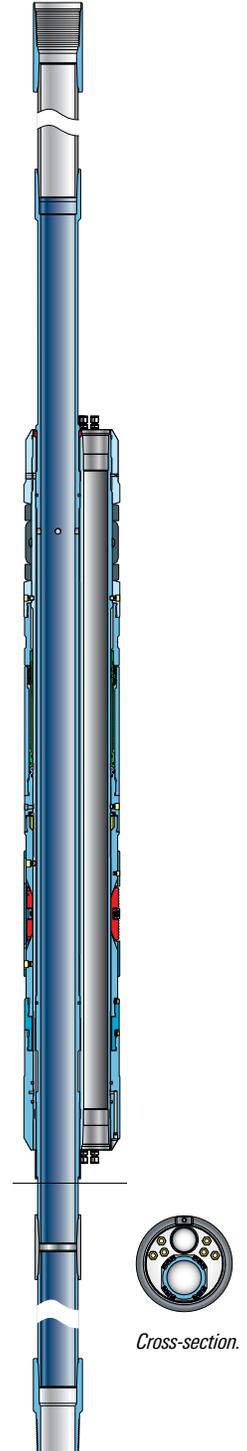
The MRP-ESP modular dual-completion packer is used in vertical and deviated wells with ESP completions. Additional parallel ports are available and may be configured for chemical injection, gas vents, and ESP accessories. This packer is also designed to allow onsite feed-through and connection of electric or hydraulic conduits. Its compact, modular design makes the MRP-ESP packer an economical choice for production applications with ESPs or for gas injection.

Main features

- Hydraulic-set
- Retrievable
- For use in ESP completions
- Designed and tested in accordance with ISO 14310 V3

Installation and setting

The MRP-ESP packer is installed with the completion tubing and is set by applying pressure to the tubing. Retrieval of the MRP-ESP packer is accomplished with a straight upward pull on the tubing. Once the tension on the tubing string exceeds the shear value of the release pins, the slips disengage the casing, and the element relaxes. Set at the factory to a standard value, the packer shear-release mechanism can be adjusted in the field just before installation.



MRP modular dual-completion packer.

MRP-ESP Modular Dual-Completion Packer

Casing Size, [†] in [mm]	Casing Weight Range, lbm/ft [kg/m]	Max. OD, in [mm]	Nominal ID, [‡] Primary, in [mm]	Nominal ID, [‡] Secondary, in [mm]	Max. Working Temperature, degF [degC]	Differential Pressure Rating, psi [kPa]	Number of Feed-Throughs
9.625 [244.5]	40–47 [59.53–69.94]	8.463 [215.0]	2.992 [76.0]	2.080 [52.8]	250 [121]	5,000 [34,474]	Three 3/8 NPT, [§] one 1/4 NPT
9.625 [244.5]	47–53.5 [69.94–79.62]	8.354 [212.2]	2.992 [76.0]	2.080 [52.8]	250 [121]	5,000 [34,474]	Six 3/8 NPT

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

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

[§] National Pipe Thread.