

QUANTUM HS

Retrievable hydraulic-set sealbore production packer



Rated up to 6,000 psi
[41,369]



Rated up to 177 degC
[350 degF]

APPLICATIONS

- Deviated wells
- Single-trip systems
- Production or isolation wells requiring a sealbore packer
- Gravel-pack operations requiring a sealbore packer

ADVANTAGES

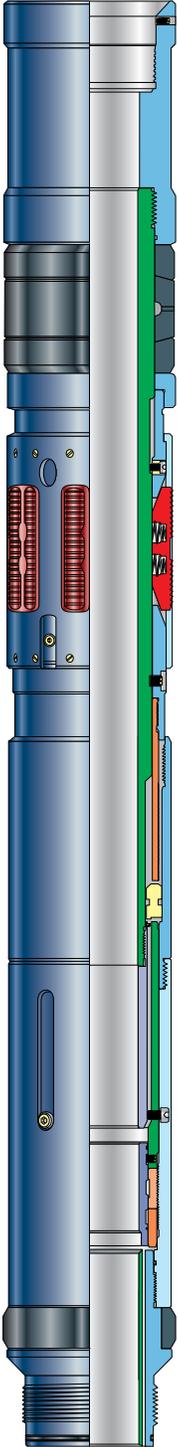
- Hydraulically set
- Interlocked packer and hydraulic locator
- Compatible with QUANTUM* gravel-pack packer system accessories
- Easy running and setting with production string
- Minimal disengagement while running and setting

The QUANTUM HS* retrievable hydraulic-set sealbore production packer is set with tubing pressure and released from a specially designed seal assembly with annular pressure. The top connection and internal profile are identical to the QUANTUM packer, allowing compatibility with all QUANTUM packer accessories. QUANTUM HS packers may be run and set with the hydraulic-release anchor seal assembly or the QUANTUM packer anchor seal assembly. The hydraulic-releasing anchor is a seal assembly equipped with an external hydraulic release and does not require rotational operations. A QUANTUM packer retrieving tool is used to retrieve the packer.

Design and components

These packers feature single, one-piece, bidirectional slips and standard packing elements and seals; in emergencies, they are millable using conventional packer milling tools.

The QUANTUM HS packer's flow-wetted components are manufactured from materials that comply with NACE MR0175 standards for sulfide stress cracking-resistant metallic materials.



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QUANTUM HS

QUANTUM HS Packer Specifications

Casing Size, [†] in [mm]	Casing Weight Range, lbm/ft [kg/m]	Max. OD, in [mm]	Nominal ID, [‡] in [mm]	Max. Working Temperature, degC [degF]	Differential Pressure Rating, psi [kPa]
7.000 [177.8]	26–29 [38.69–43.16]	5.997 [152.3]	3.958 [100.5]	177 [350]	6,000 [41,369]
7.625 [193.7]	24–29.7 [35.72–44.20]	6.687 [169.8]	4.003 [101.7]	121 [250]	6,000 [41,369]
7.625 [193.7]	29.7–33.7 [44.20–50.15]	6.608 [167.8]	4.003 [101.7]	121 [250]	6,000 [41,369]
7.625 [193.7]	39 [58.04]	6.468 [164.3]	4.003 [101.7]	121 [250]	6,000 [41,369]
9.625 [244.5]	40–47 [59.53–69.94]	8.445 [214.5]	6.003 [152.5]	121 [250]	5,000 [34,474]
9.625 [244.5]	47–53.5 [69.94–79.62]	8.320 [211.3]	6.003 [152.5]	121 [250]	5,000 [34,474]

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

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

slb.com/packers