

QUANTUM HSB

Gravel-pack dual-bore and sealbore packer

APPLICATIONS

- Dual-bore completions
- Gravel-pack completions
- High-rate production wells requiring a production packer

BENEFITS

- Design is compatible with QUANTUM* packer system
- Design eliminates tubing rotation

FEATURES

- Large sealbore
- Hydraulic setting
- Bidirectional slips below sealing element for maximum protection from debris fouling
- Conformance to NACE MR0175 standards

The QUANTUM HSB gravel-pack dual-bore and sealbore packer's seal assembly combines with the large bore of the packer to allow a full tubing ID. This packer is ideally suited for multiple completion options or zones, including single-selective and dual completions. Single-completion configurations benefit from the packer's large internal diameter, which is essential for high-rate production applications.

Main features

- Hydraulic-set
- Retrievable
- For use in gravel-pack completions

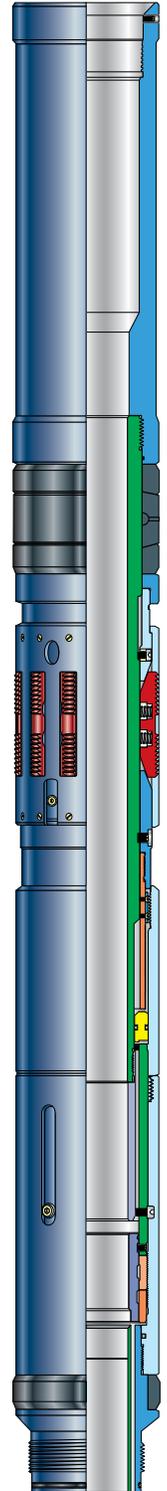
Setting operation

This retrievable packer is hydraulically set. No tubing rotation is required to fully set the packer. It has a one-piece, self-energizing packing element and features bidirectional slips below the packing element for maximum protection from debris fouling. This location protects the slips from being lost during retrieval or milling.

Configuration

The QUANTUM HSB stepbore packer is available in a variety of configurations, including sealbore lengths up to 20.0 ft [6.10 m]. It is compatible with QUANTUM packer accessories, including gravel-pack service tools, seal assemblies, and QUANTUM packer retrieving tools.

The QUANTUM HSB 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 HSB Gravel-Pack Dual-Bore and Sealbore Packer Specifications

Casing Size, [†] in [mm]	Casing Weight Range, lbm/ft [kg/m]	Max. OD, in [mm]	Nominal ID, [‡] in [mm]	Max. Working Temperature, degF [degC]	Differential Pressure Rating, psi [kPa]	Upper Sealbore Nominal ID, in [mm]
7.000 [177.8]	23–26 [34.23–38.69]	6.083 [154.5]	3.948 [100.3]	250 [121]	6,000 [41,369]	4.750 [120.7]
7.000 [177.8]	26–29 [38.69–43.16]	5.997 [152.3]	3.948 [100.3]	250 [121]	6,000 [41,369]	4.750 [120.7]
9.625 [244.5]	40–47 [59.53–69.94]	8.445 [214.5]	6.003 [152.5]	250 [121]	6,000 [41,369]	7.125 [181.0]
9.625 [244.5]	47–53.5 [69.94–79.62]	8.328 [211.5]	6.003 [152.5]	250 [121]	5,000 [34,474]	7.125 [181.0]

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

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

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