

# QUANTUM

## Gravel-pack packer

### APPLICATIONS

- Stand-alone screen applications
- Production or drillstem testing
- Single and multizone completions
- Vertical, highly deviated, and horizontal wellbores

### BENEFITS

- Large-bore design maximizes production
- Improved performance parameters increase reliability and reduce risk

### FEATURES

- Sealbore retrievable packer
- Hydraulic setting with various QUANTUM\* service tools
- Element selection that includes hydrogenated nitrile butadiene rubber (HNBR), Viton®, and Aflas®
- Torque-through feature that allows rotation
- Conformance to NACE standard MR0175

The QUANTUM gravel-pack packer is specifically designed to increase reliability and improve all aspects of sand control operations. The rugged QUANTUM packer is the core component of the QUANTUM gravel-pack completion system, which is specifically designed for single-trip production gravel packing in vertical, deviated, and horizontal wells.

### Main features

- Hydraulic-set
- Retrievable
- For use in gravel-pack completions and sand management

### Configurations and operation

The QUANTUM packer is available in standard and large-bore configurations, allowing seal assembly IDs to match production tubing IDs. The large-bore design allows for multiple completions in which the lower production tubing must pass through an upper packer assembly without damaging the sealbores. All operations are completed with pressure and vertical movement and do not require rotation.

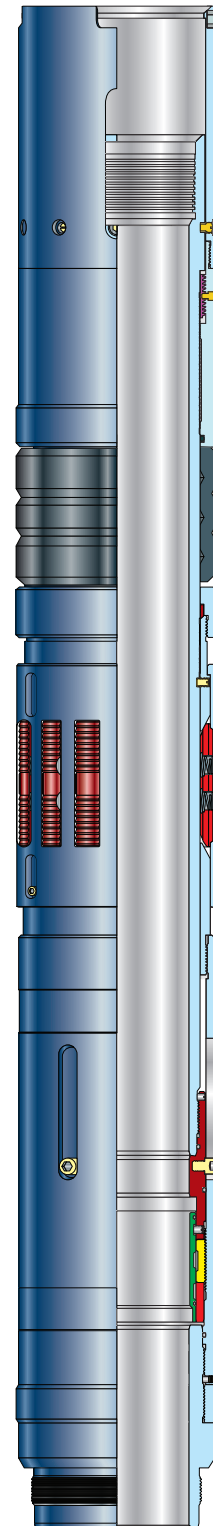
### Retrieval and milling

QUANTUM packers are designed to be retrieved with straight pull or to be milled if necessary. These packers can be set on wireline and retrieved using an internal retrieving tool. They feature one-piece self-energizing packing elements and one-piece bidirectional slips that reduce the risk of loss during retrieval or milling. The slips are located below the packing element for maximum protection from debris fouling.

### Meeting standards

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

The QUANTUM packer can be set by a variety of QUANTUM services tools, including the Type 3, the cased hole gravel- and frac-pack tools, and various wireline-setting tools.



QUANTUM gravel-pack packer.

# QUANTUM

## QUANTUM Gravel-Pack Packer Specifications

Casing		Packer		
Size, in [mm]	Weight Range, lbm/ft [kg/m]	Max. OD, in [mm]	Sealbore, in [mm]	Max. Differential Pressure, psi [kPa]
5.000 [127.0]	11.5–15 [17.11–22.32]	4.250 [108.0]	2.688 [68.1]	6,000 [41,370]
	18–21.4 [26.79–31.85]	3.969 [100.8]		
5.500 [139.7]	13–20 [19.35–29.76]	4.625 [117.5]	3.000 [76.2]	
7.000 [177.8]	23–26 [34.23–38.69]	6.083 [154.5]	4.000 [101.6]	
	26–29 [38.69–43.16]	5.997 [152.3]		
	32–35 [47.62–52.09]	5.817 [147.8]		
	38 [56.55]	5.760 [146.3]		
7.625 [193.68]	24–29.7 [35.72–44.20]	6.677 [169.3]	4.000 [101.6]	
	29.7–33.7 [44.20–50.15]	6.598 [167.6]		
	39 [58.04]	6.458 [164.0]		
9.625 [244.5]	29.3–36 [43.60–53.57]	8.609 [218.7]	6.000 [152.4]	
	40–47 [59.53–69.94]	8.445 [214.5]	4.750 [120.7]	
			6.000 [152.4]	
	47–53.5 [69.94–79.62]	8.335 [211.7]	4.750 [120.7]	6.000 [152.4]

[slb.com/packers](http://slb.com/packers)