

QUANTUM Short-Catch Packer Plug with Mandrel Saver

Converts the QUANTUM packer to a temporary bridge plug

APPLICATIONS

- Multiple-zone completions
- Standard and ultrahigh-density perforating and frac-pack completions

BENEFITS

- Streamlines multiple-zone completion operations
- Protects the packer bore from shock during perforating
- Enhances retrieval reliability and safety
- Enhances wellbore productivity by minimizing potentially damaging fluid loss to the formation

FEATURES

- Operational versatility
- Built-in equalizing feature
- Right-hand rotation backup releasing mechanism

The QUANTUM* gravel-pack packer short-catch packer plug with mandrel saver permits the performance of operations above the packer, such as pressure testing, perforating, or washing perforations, without affecting the zone below the packer. It also prevents debris from settling to the lower zone. It is designed for use in severe applications such as ultrahigh-density perforating and frac pack operations.

The plug protects the packer sealbore and accommodates shorter zone spacing with its short-catch fishing neck. It also has a built-in equalizing feature to enhance retrieval reliability and safety.

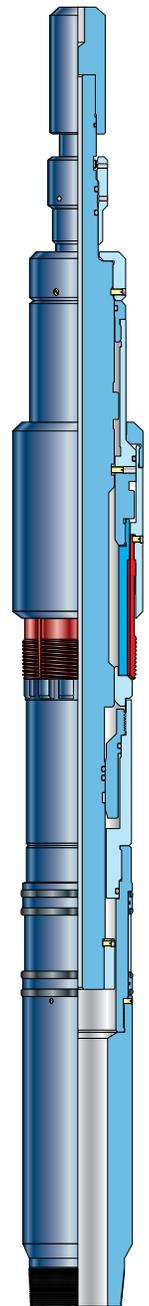
The short-catch plug is run in the wellbore and latched into the packer top threads with light (3,000- to 5,000-lbm [1,361- to 2,268-kg]) set-down weight. To retrieve the plug, a short-catch packer plug retrieving tool is run in to tag the plug with 5,000- to 10,000-lbm [2,268- to 4,535-kg] setdown. Applying 12,000- to 15,000-lbf [5,442- to 6,803-kg] overpull releases the plug. If required, the plug features a right-hand rotation release backup mechanism.

The built-in equalizing feature prevents hydrostatic or differential locking of the packer plug.

QUANTUM Short-Catch Packer Plug with Mandrel Saver Specifications

Packer Bore Size, [†] in [mm]	Plug Max. OD, in [mm]
2.688 [68.32]	3.500 [88.95]
3.000 [76.25]	3.750 [95.31]
3.250 [82.6]	4.750 [120.7]
4.000 [101.6]	5.250 [133.4]
4.750 [120.7]	6.000 [152.4]
7.000 × 6.000 [180.98 × 152.4]	8.230 [209.0]

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



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