

Isolizer™ Centralizers

OPTIMAL STANDOFF IN TIGHT CLEARANCE APPLICATIONS

OVERVIEW

Challenging wellbore configurations, such as tight clearance and under-reamed hole sections, can make it difficult to reach planned depth while maintaining optimal standoff for cementing. These applications demand powerful restoring forces, without increased running forces, that a high-performance centralizer can provide to get casing to final depth and achieve optimal standoff during cementing.

Conventional centralizer sub solutions often require the use of machined bodies with special threads matching the casing string, which can result in increased cost and lead times. Their inflexible placement options and installation limitations between casing joints reduce run-in-hole efficiency. Unlike conventional solutions, the Halliburton Isolizer™ slip-on centralizer design eliminates the need for machined casing centralizer subs with special threads and provides placement flexibility at any point on the casing string. This design reduces cost and helps to increase efficiencies by eliminating the need for additional connections made on the rig floor.

Customized design helps reduce running forces

The Isolizer centralizer is a slip-on, tight clearance, steel bow spring centralizer integrated with Protech™ II technology.

Centralizer – A single-piece, high strength centralizer eliminates welds and high stress weak points. The bow is designed and heat treated to fully collapse when running through restrictions with reduced starting and running forces and maintains the ability to restore to the desired hole diameter. The centralizer is fully customizable for tight annular clearance applications.

» *Isolizer™ Centralizers customized design helps reduce running forces to achieve optimal standoff in tight clearance applications*



FEATURES

- Customizable to meet unique well designs
- Slip-on centralizer eliminates the need for machined casing subs with special threads
- Bonding process is non-damaging to the tubulars
- Can be used in high-temperature environments up to 400°F (204°C)

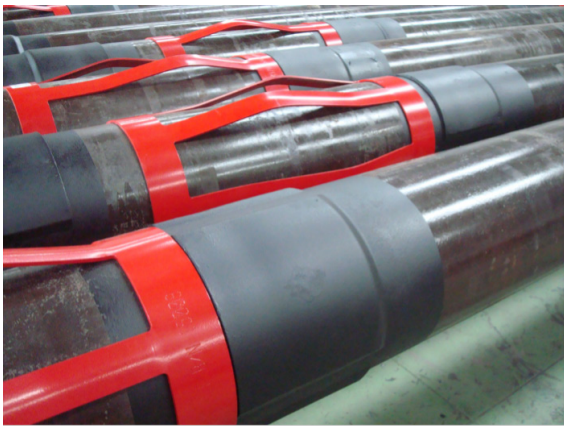
BENEFITS

- Centralizer placement flexibility
- Reduced cost and lead time compared to conventional centralizer subs
- Improved standoff and running forces
- Meets most deepwater well construction designs and requirements
- Easy installation

Stop Collar – The stop collar design utilizes Halliburton Protech II technology. Protech II consists of a ceramic and carbon fiber resin blend that is adhered directly to the casing with chemical and mechanical bonding. This technique results in very high adhesion values for superior downhole running forces, toughness, and flexibility. The adhesion process enables the stop collars to provide improved holding strength compared to heavy-duty conventional stop collars. Additionally, the stop collar design does not require protruding set screws, which improves the ability to run in tight clearance applications and eliminates the risk of seals and casing scoring. Further, the Protech II stop collars provide a significant reduction in frictional forces when the centralizer is collapsed, which allows casing to reach planned depth at optimized run-in speeds.

Easy installation reduces lead time

The slip-on centralizer, in combination with the casing-bonded stop collars, can be installed in most Halliburton facilities, in pipe yards, or certain field locations. The Isolizer centralizer design is a tailored solution that can accommodate the diverse casing types and specifications used in tight tolerance applications and can save the extra cost and lead time that machined body subs with special threading require.



» Easy installation reduces lead time

Isolizer™ Centralizers can be installed in most Halliburton facilities, in pipe yards, or certain field locations. 9 7/8-in. and 16-in. centralizer options shown above.

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