



WHEREVER YOU WANT TO GO WE'LL GET YOU THERE

Full product catalogue. Released 15th December 2023



OUR MISSION

WE HAVE BUILT A GLOBAL REPUTATION ON THE WORLD LEADING PERFORMANCE OF OUR UNIQUE CENTRALIZER TECHNOLOGY

Now, we're on a mission: to build on this leadership through intelligent engineering solutions that **enable safer and more productive access to energy one well at a time.**

Company highlights:

- Operating globally, throughout Europe, the Americas, Asia Pacific and the Middle-East, working with major oil companies
- The largest centralizer manufacturing capacity in the world across 3 manufacturing bases
- Expert, highly trained and dedicated global customer support team
- Engineers work in the field with customers to provide optimum solutions
- Manufacturing and quality control carried out in house with testing through the supply chain and full product traceability
- Well simulations can be provided using our advanced, proprietary software
- Wide range of quality centralizers for all well types



EVERY MINUTE ON A RIG MEANS MONEY

From geothermal to oil & gas, and from land to ultra-deep water, operators are constantly pushing the boundaries of where energy can be found and extracted.

Centek outperforms the competition by finding solutions to maximize efficiency and save time and costs. Centek products create optimized standoff, cementation and flexibility down hole for faster runs and improved cementation results.

SAVE TIME

In today's volatile drilling environment, time is the only thing left to cut. Centek products frequently save hours of rig time by getting to total depth, with no issues.

LOWER RISK

Our centralizers and stop collars are proven to lower the risk of delays, leaks and channeling - providing the centralization needed for a robust cement sheath.

REDUCE COSTS

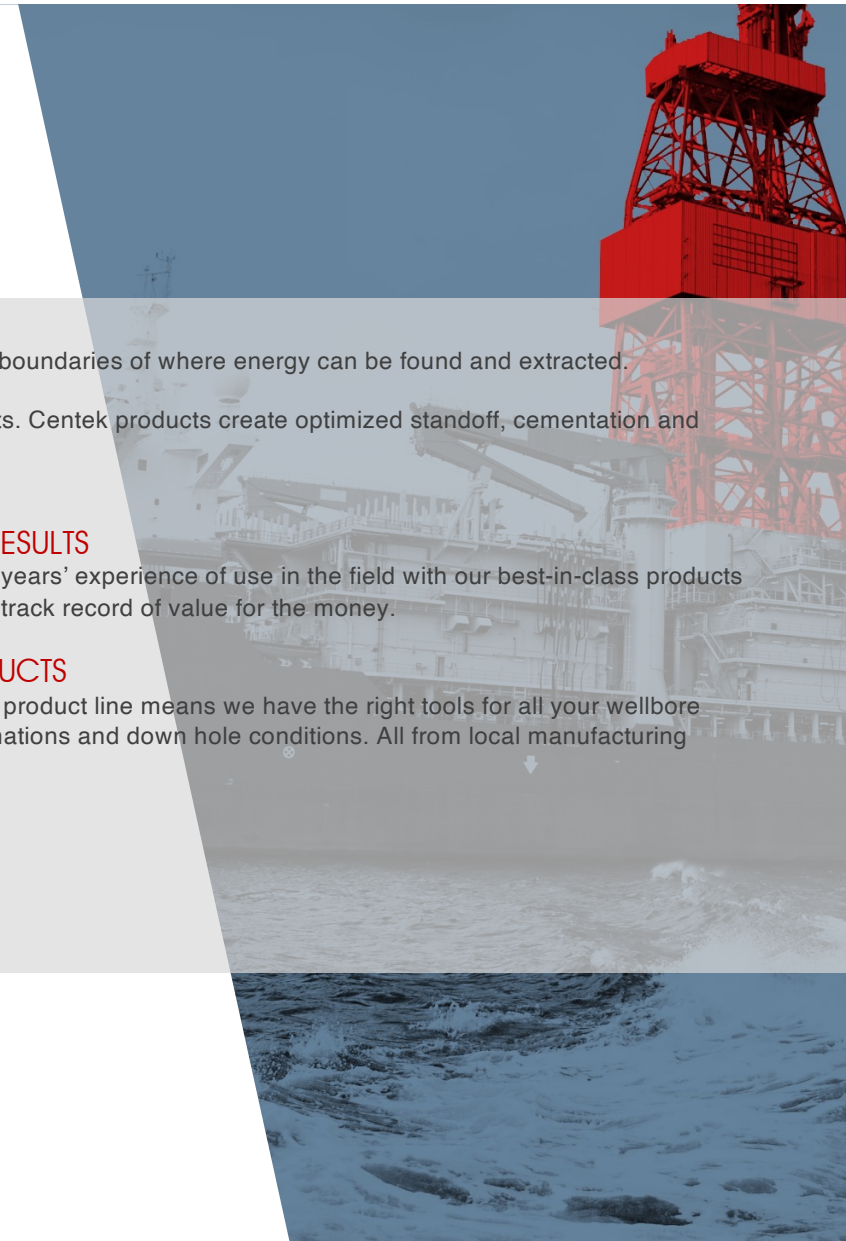
Reliable, dependable, durable and available when you need it, our extensive range means we have the right centralizer for every casing running scenario.

IMPROVE RESULTS

We've got 20 years' experience of use in the field with our best-in-class products and a proven track record of value for the money.

OUR PRODUCTS

Our full string product line means we have the right tools for all your wellbore sections, formations and down hole conditions. All from local manufacturing facilities.



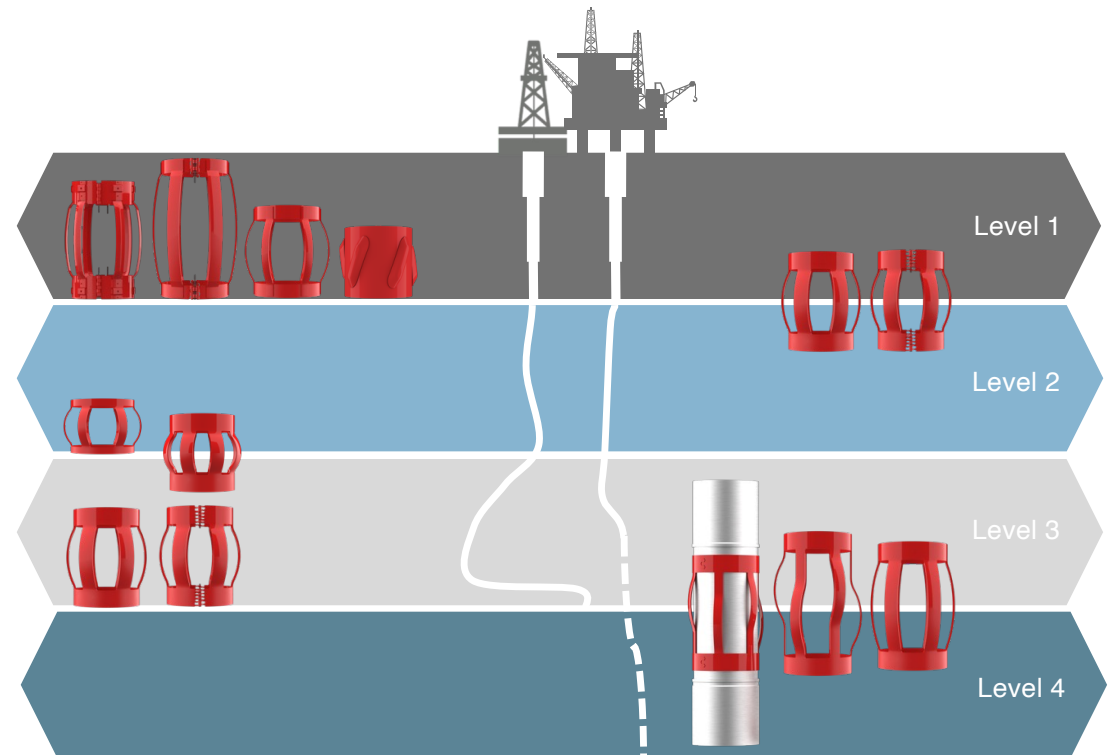
THE PRODUCT OF CHOICE FOR ALL APPLICATIONS

Centralization and the ease of running casing is often a balance between strength, flexibility, risk and reward. To help with product selection we've created 4 levels for onshore and offshore wells and the optimum centralizer we recommend used at each level. This is indicated alongside each product on our collateral.

As sector forerunners we've changed perceptions, standards and quality; set benchmarks and created a new category of centralizers, constantly enhancing our reputation as leaders in our field.

Bringing the best to the business was hard, staying there is tough but being an industry leader is far more rewarding than replicating others. Our aim is to work with our customers to develop new opportunities together.

Excellence to the Core

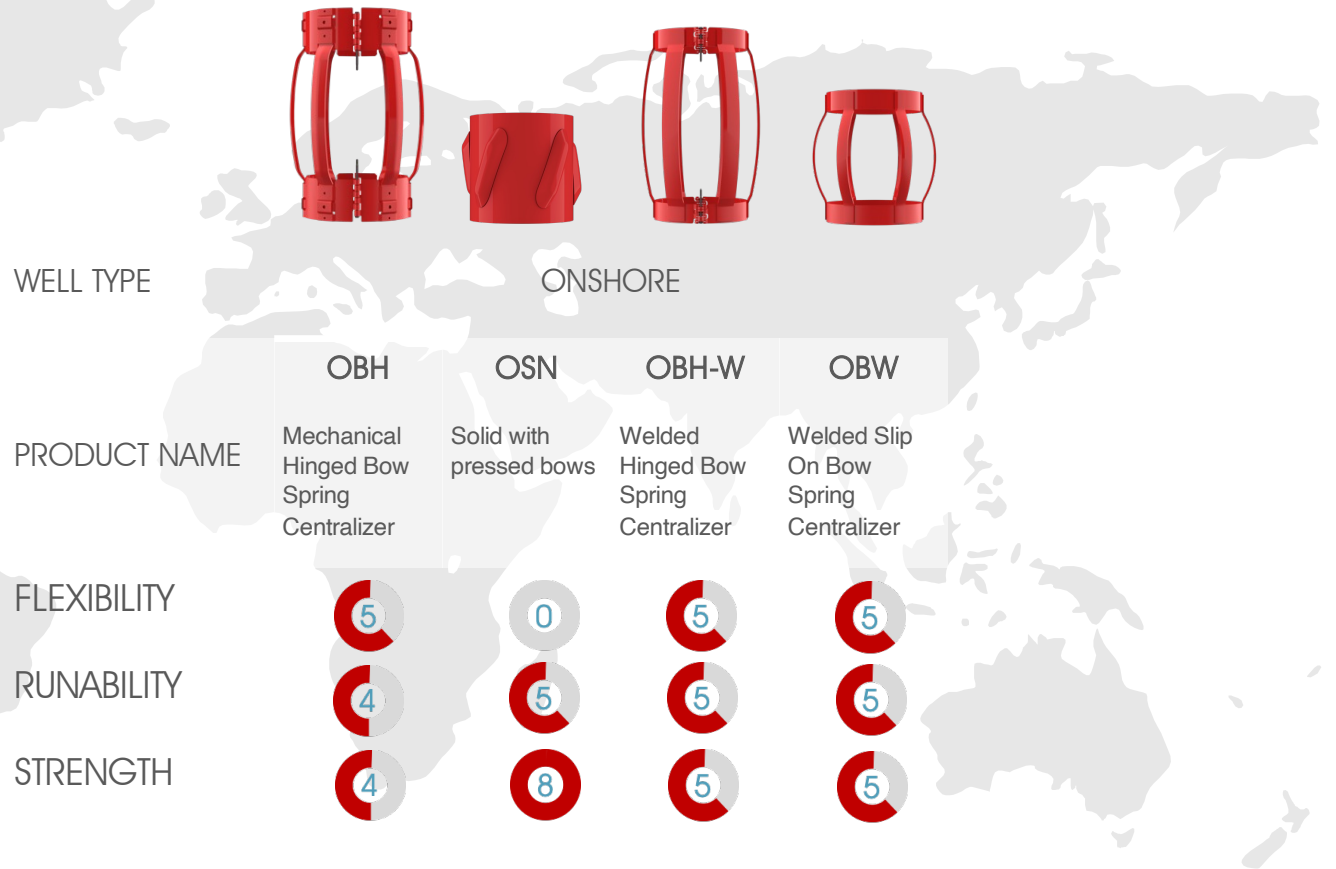


LEVEL 1 CENTRALIZERS

Our level 1 centralizers are heat treated for strength and have, pressed, welded and non-welded steel bows for optimized stand off in less challenging wells.

They are designed for onshore, vertical and slightly deviated applications where an economic solution is preferred but performance is expected.

All Level 1 bow springs are designed to exceed API 10D



Excellence to the Core

Centralization and the ease of running casing is often a balance between strength and flexibility which combine to support, what we call, 'runability'. To help with product selection we've added a rating to all our products for flexibility, runability and inherent strength.

LEVEL 1 CENTRALIZERS



OSN

Solid Body Centralizer with Pressed Bows

Made from solid steel with pressed and welded vanes, the OSN functions like a bearing during pipe rotation and helps to reduce torque requirements

- High axial load strength
- Straight and right-hand spiral vane designs available to maximize fluid dynamics
- Steel construction provides superior toughness

Key Information and ratings

Sizing from 4 1/2" to 13 3/8 "

Available with range of high strength stop collars



OBH

Mechanical Hinged Bow Spring

Bow springs are manufactured from high quality alloy steel, hot bent to shape using dies and then heat treated for consistent spring characteristics

Key Information and ratings

Sizing from 4 1/2" to 26"

Stop collar available with same technology



- 30% lower delivery and storage costs
- Extended profile
- Easy field assembly
- Designed to exceed API 10D



LEVEL 1 CENTRALIZERS



OBH-W

Welded Hinged Bow Spring

The OBH-W hinged centralizer features heat-treated, spring-steel bows which are welded to rigid high strength end bands for optimized standoff in less challenging wells

- Can be used over casing couplings
- Economic choice / high performance
- Designed to exceed API 10D
- Unique, high strength hinge

Key Information and ratings

Sizing from 4 1/2" to 26"

Available with high performance stop collars



OBW

Welded, Slip On Bow Spring

Centek's unique metallurgy and heat treatment process allows the OBW to be run in hole with minimal start and running forces, whilst providing excellent strength and standoff

- Designed to exceed API 10D
- Economic choice / high performance
- Slip-on design

Key Information and ratings

Sizing from 4 1/2" to 16"

Available with high performance stop collars



LEVEL 2 AND 3 PRODUCTS

In 2001 Centek group revolutionized centralizer design and introduced the radically different single piece, slip on, bow spring centralizer. Over the past 20 years we have honed this design to include a range of high performance, slip on, heavy duty and hinged centralizers.

Centek OBS, OBS-2 and S2 centralizers are robust and ultra-high-strength with no weak points but with the flexibility and restoring force to absorb both axial and radial loads. They are manufactured to gauge and provide maximum standoff, eliminating cement channeling.

The patented bow spring design allows for flexibility when encountering tight spots with no compromise on performance integrity.

All level Centek 2 & 3 bow springs are tested to exceed API 10D.

| WELL TYPE | ONSHORE | | ONSHORE & OFFSHORE | | |
|--------------|---|---|---|---|--|
| | OBS-2 | OBS | S2 | S2-HINGED | S2-HD |
| PRODUCT NAME | Single Piece, Slip On, Bow Spring Centralizer | Single Piece, Slip On, Bow Spring Centralizer | Single Piece, Slip On, Bow Spring Centralizer | Hinged, Bow Spring Centralizer bow spring | Heavy Duty Single Piece, Slip On, Bow Spring Centralizer |
| FLEXIBILITY | 6 | 4 | 7 | 7 | 7 |
| RUNABILITY | 6 | 5 | 8 | 8 | 7 |
| STRENGTH | 6 | 7 | 7 | 7 | 8 |

Excellence to the Core

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LEVEL 2 & 3 CENTRALIZERS



OBS-2

Single piece, bow spring

The OBS-2 is our most cost competitive single piece, bow spring centralizer. It has been developed for onshore wells where its single piece construction provides strength downhole

- 100% more products can be loaded on the pallet for lower transport and storage costs and the lowest carbon footprint of any single piece centralizer
- Excellent fluid dynamics
- Designed to exceed API 10D

Key Information and ratings

Sizing from 4 1/2" to 14"

Corresponding range of high strength stop collars



OBS

Single piece, bow spring

The OBS single piece, bow spring centralizer has been reintroduced for onshore vertical, horizontal or deviated wells. It is designed to be robust in tough casing running environments.

- Good standoff
- High restoring force
- Exceeds API 10D version 7

Key Information and ratings

Sizing from 4 1/2" to 13 3/8"

Corresponding range of high strength stop collars



S2 CENTRALIZERS



S2

Single piece, bow spring

The patented S2 bow spring centralizer is the premium single piece choice for challenging wellbores. Engineered strength and flexibility optimize RIH saving operators time and money getting to total depth.

- Enhanced rotation and reciprocation during RIH
- Reduced torque and drag
- Supports cementing best practices
- Tested to exceed API 10D

Key Information and ratings

Sizing from 2 7/8" to 24"

Available with high performance stop collars



S2 HINGED

Hinged, bow spring

The S2 Hinged centralizer is high strength and engineered for challenging applications typically requiring a single piece product. It has a twisted hinge with a one of a kind "one way" hinge pin.

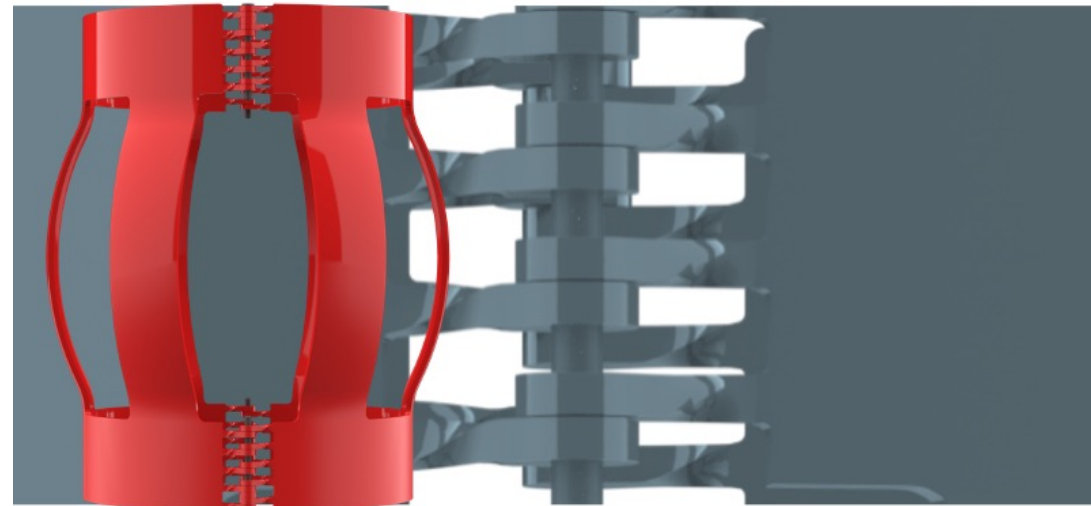
Key Information and ratings

Sizing from 5 1/2" to 28"

Available with high performance stop collars



- Tested to exceed API 10D
- Unique high strength hinge and hinge pin design is as strong as a single piece centralizer
- Safe and quick installation
- 30% reduction on cost of transport and storage and lower carbon footprint



S2 CENTRALIZERS



S2-HD

Heavy duty, single piece, bow spring

Single piece construction means the S2-HD has no weak points. It is designed for casing running environments with heavy loads where a solid centralizer may be used traditionally.

- Tested to exceed API 10D
- Ultra-high strength
- Reduced torque and drag
- Enhanced rotation and reciprocation during run-in-hole (RIH)

Key Information and ratings

Sizing from 5 1/2" to 14"

Available with high performance stop collars



FLEXIBILITY



RUNABILITY



STRENGTH



LEVEL 3 AND 4 PRODUCTS

Under reamed and close tolerance well sections create several engineering issues which affect run-in-hole (RIH) performance due to the bows being compressed while passing through smaller ID of the previous set casing. Our level 3 and 4 centralizers are developed to perform in the under-reamed sections found in some of the world's most challenging offshore fields, combining high strength with high flexibility.

Our close tolerance and sub centralizers can compress virtually flat to allow travel through narrow under-reamed well sections, providing the optimum solution for even in the most difficult deepwater wells.

| WELL TYPE | UNDER-REAMED | | | | DEEPWATER | |
|--------------|--------------------------|--------------------------|--|--|--|--|
| | TUR | UROS | TUR-CT | UROS-CT | TUR-SUB | UROS-SUB |
| PRODUCT NAME | Single Piece, Bow Spring | Single Piece, Bow Spring | Close Tolerance Single Piece, Bow Spring | Close Tolerance Single Piece, Bow Spring | Single Piece, Bow Spring on a Sub Body | Single Piece, Bow Spring on a Sub Body |
| FLEXIBILITY | 8 | 8 | 8 | 8 | 8 | 8 |
| RUNABILITY | 7 | 7 | 7 | 7 | 7 | 7 |
| STRENGTH | | | | | | |

Excellence to the Core

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UNDER-REAM CENTRALIZERS



UROS

Single Piece, Bow Spring

The UROS centralizer is proven to give good cementation in tight casing and under-ream applications. Large flow by area enhances fluid dynamics.

- Low starting forces
- Reduced running forces - saves time
- Application specific restoring force
- Enhanced fluid dynamics

Key Information and ratings

Sizing from 7" to 17"

Available with high performance stop collars



TUR

Single Piece, Bow Spring

The TUR bow spring centralizer is designed to be run in under-ream applications found in challenging offshore fields. The TUR centralizer is proven to give good cementation in tight casing and close tolerance applications.

Key Information and ratings

Sizing from 4 1/2" to 16"

Available with high performance stop collars



- Highly flexible
- Application specific restoring force
- Large flow by area enhances fluid dynamics.



CLOSE TOLERANCE CENTRALIZERS



TUR-CT

Close Tolerance Centralizer

The TUR-CT is designed with a precisely formed cross bow curvature and has no 'knife edges' to reduce the risk of subsea well head damage on insertion. This also adds additional strength to the bows to support performance in close tolerance applications.

Key Information and ratings

Sizing: 9 3/8" to 11 3/4"

Available with high performance stop collars



- Alternative to Centralizer Subs
- Engineered to precise ring-gauge tolerances
- Low-profile design maximizes fluid dynamics



UROS-CT

Close Tolerance Centralizer

The UROS-CT centralizer is designed to be ultra-flexible to ease the string to TD. It is designed to challenge the traditional and extremely costly Centralizer Sub market.

Key Information and ratings

Sizing from 11 3/4" to 17"

Available with high performance stop collars



- Low-profile design provides peak flow-by performance to reduce the surge effect
- Engineered to precise ring-gauge tolerances, because every millimeter saved allows for greater expansion in the open hole

CLOSE TOLERANCE CENTRALIZERS



TUR-SUB

Centralizer Sub

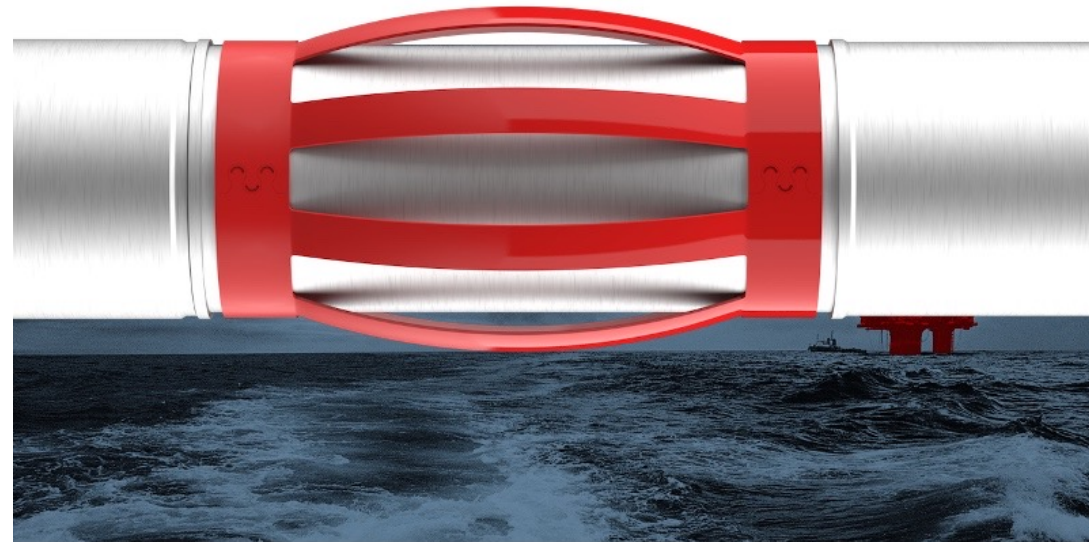
During operations, the TUR-SUB's centralizer will recess entirely into the sub body enabling it to pass through the tightest of restrictions. The sub body is manufactured to API 5CT requirements.

Key Information and ratings

Sizing from 9 5/8" to 17 7/8"



- Designed specifically for ultra-tight tolerance applications
- Will meet or exceed host casing burst and collapse specifications
- Interlocked band design gives the strength of a single piece centralizer



UROS-SUB

Centralizer Sub

The UROS-SUB's single piece centralizer reduces the risk of failure in deepwater applications. This engineered solution enables the centralizer to rotate on the sub body with minimal torque values.

Key Information and ratings

Sizing from 9 5/8" to 17"



- The sub body is manufactured to API 5CT requirements
- Fewer bows for more efficient RIH
- Interlocked band design gives the strength of a single piece centralizer

LEVEL 1 AND 2 STOP COLLARS

Our stop collars for less challenging wells with horizontal or vertical sections are available with set screws, spiral nail and draw bolt fitment. These are developed for quick fitment and secure holding forces.

All Centek stop collars are tested to meet the API 10D-2 standard.

| WELL TYPE | ONSHORE | | |
|--------------|-------------------------------------|-----------------------------------|---------------------|
| | HSN | HBF | OSO |
| PRODUCT NAME | Hinged Stop Collar With Spiral Nail | Hinged Stop Collar With Draw Bolt | Slip On Stop Collar |
| RUNABILITY | 4 | 6 | 8 |
| STRENGTH | 4 | 5 | 6 |

Excellence to the Core

Stop collar performance depends on the ability of the stop collar to hold the centralizer in place. This aids 'runability' and is measured by holding force and integral strength. To help with product selection we've added a rating to all our stop collar products for runability and strength.

LEVEL 1 STOP COLLARS



HBF

Hinged Stop Collar with Draw Bolt

The HBF is a draw bolt fitted stop collar for quick installation in less deviated, onshore wells. The holding action of the draw bolt tightening mechanism provides strong hold without damaging the casing

- Quick and secure installation
- For use with standard casing grades
- Friction grip does not damage casing

Key Information and ratings

Sizing from 3 1/2" to 13 3/8"

Counterparts of Centek's Level 1 centralizers



HSN

Hinged stop collar with spiral nail

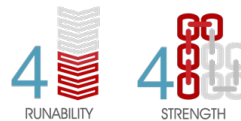
The spiral nail is driven firmly into internal grooves which locks the stop collar against the casing, providing maximum annular clearance, improving installation and reducing rig time

- Economic choice
- Quick installation
- Low profile for low annular clearances
- For use with standard casing grades

Key Information and ratings

Sizing from 4 1/2" to 18 5/8"

Counterparts of Centek's Level 1 centralizers



LEVEL 2 STOP COLLARS



OSO

Slip on stop collar

OSO slip on stop collars are heat treated for strength and to reduce brittleness. Set screw design provides high holding forces without excessive marring of wellbore tubulars.

- Anti-vibration screw retention
- For use with standard casing grades

Key Information and ratings

Sizing from 3 1/2" to 16"

Counterparts of Centek's Level 2 centralizers



LEVEL 3 AND 4 STOP COLLARS

All Centek premium stop collars are heat treated to improve tensile strength, especially in the critical internal thread area. This is combined with high tensile set screws of a specific thread pitch to match the low-profile characteristics of the product.

All our premium stop collars are fitment tested to up to 50 lb-ft torque, with anti-vibration screw retention and does not require 4" axial slippage to exceed the API 10D-2 performance standard.

| WELL TYPE | OFFSHORE | | | |
|--------------|---------------------|--------------------|---------------------------------|--------------------------------|
| PRODUCT NAME | OOSO | OOSH | HDSO | HDSH |
| | Slip On Stop Collar | Hinged Stop Collar | Heavy Duty, Slip On Stop Collar | Heavy Duty, Hinged Stop Collar |
| RUNABILITY | 8 | 8 | 8 | 8 |
| STRENGTH | 7 | 7 | 8 | 8 |

Excellence to the Core

Stop collar performance depends on the ability of the stop collar to hold the centralizer in place. This aids 'runability' and is measured by holding force and integral strength. To help with product selection we've added a rating to all our stop collar products for runability and strength.

SLIP ON STOP COLLARS



00SO

Slip On Stop Collar

Made from the same material as our ultra-high strength centralizers, the 00SO's robust design can withstand high axial forces, making it suitable for demanding well conditions.



- Unique set screw design provides industry leading holding forces without excessive marring of wellbore tubulars.
- Does not require 4" axial slippage to exceed the API 10D-2 performance standard

Key Information and ratings

Sizing from 2 7/8" to 20"

Designed for use in challenging wellbores

HDSO

Heavy Duty Slip On Stop Collar

The HDSO is a high performance holding device able to withstand high axial forces in challenging well conditions. Made from the same steel as Centek heavy duty centralizers



- High holding force
- 2 offset rows of M12 socket set screws
- Fitment tested to up to 50 lb-ft torque

Key Information and ratings

Sizing from 4 1/2" to 24"

Designed for use in challenging wellbores



HINGED STOP COLLARS



HDSH

Heavy Duty, Hinged Stop Collar

Each HDSH stop collar is made from the same patented, heat treated, steel as our S2-HD centralizers. This ensures that the HDSH can withstand high axial forces, making it suitable for demanding well conditions.

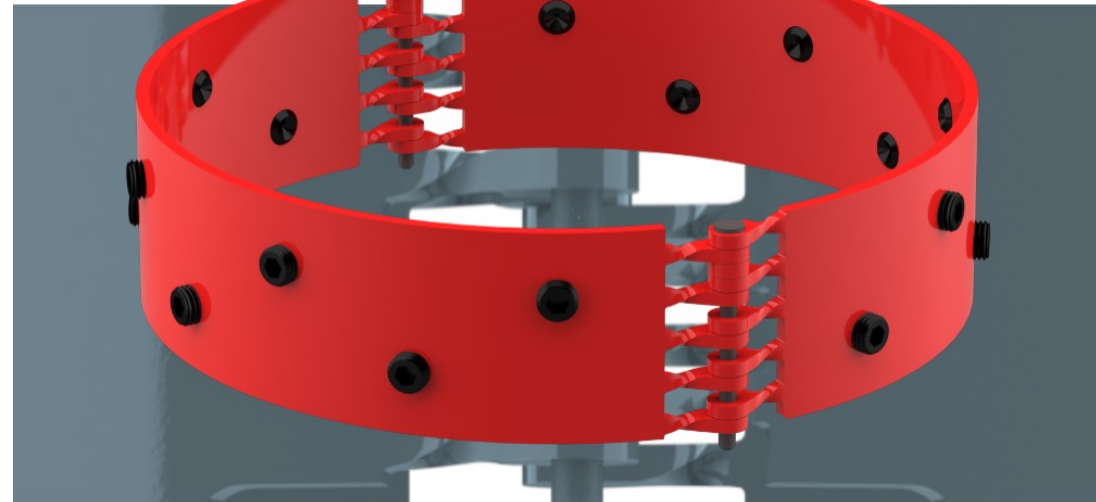
Key Information and ratings

Sizing from 13 5/8" to 24"

Designed for use with S2 Hinged



- Premium, high holding force, heavy duty hinged stop collar
- No yield around thread effective diameter



OOSH

Hinged Stop Collar

The OOSH is a high strength stop collar developed for use in challenging wells with the same integrated hinge technology as the S2 Hinged bow spring centralizer.

Key Information and ratings

Sizing from 5 1/2" to 24"

Designed for use with S2 Hinged



- Utilizes a low profile, twisted hinge design for quick installation
- Can withstand high axial forces, making it suitable for demanding well conditions



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