



2022 - 2023

**CENTRALIZER  
AND  
STOP COLLAR**

PRODUCT  
**CATALOGUE**



[www.wellcareoiltools.com](http://www.wellcareoiltools.com)



**WELLCARE**

Quality Solutions for  
Down-Hole Tools

**OIL TOOLS**



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Quality Solutions for  
Down-Hole Tools

OIL TOOLS



**WELLCARE OIL TOOLS**

Quality Solutions for Down-Hole Tools

## CORPORATE PROFILE

**Wellcare Oil Tools Private Limited**, a privately held company is engaged in Design, Manufacturing, and supply of a comprehensive range of highest quality Downhole Drilling & Production Oil Tools for the Oil & Gas Industry comprising Hydraulic/ Mechanical Set, Rotating & Non-rotating Liner Hangers, Mechanical & Hydraulic Permanent & Retrievable Seal Bore / ERD Packers & Accessories, Float Shoes & Collars, Stage Cementing Collars, Wireline set & Retrievable Bridge Plugs, Cement Retainers, Milling & Retrieving Tools, Cementing Heads, Centralizers and Stop Collars, located at **F-209/210, IID, RIICO Industrial Area, Khuskhera, Alwar, Rajasthan, India.**

Wellcare Oil Tools Private Limited is an ISO-9001, ISO-14001 and OHSAS-18001 certified company.

The company has all the quality systems in place for design, planning, manufacturing and quality monitoring & traceability to ensure that WELLCARE products match the highest quality & reliability Standards similar to any International major in this field. A well-established Quality System from Materials receipt to Products delivery ensures consistent quality at all levels of the activity. The required inspection and test facilities are installed in the house. The company complies with all the legal, statutory and regulatory requirements.

The facility is equipped with the latest machining facilities like CNC 3-axis Turning centers, CNC 4-axis milling center, Center Lathe Machines, Deep Hole Drilling, Boring & Honing Machines enabling the Company to meet its production target. Design Department is equipped with CAD and Pro-E facilities and has on rolls qualified & experienced engineers and has been engaged in the development of new products as required in the market place.

WELLCARE has furnished Downhole tools in several metallurgical configurations for service in different geologies, indigenous as well as international Companies. WELLCARE offers services of qualified and experienced engineers for customer training, running & redressing of it's manufactured & supplied products in On-Shore and Off-Shore Oil & Gas Wells.

With continuous improvement in the field of Downhole tool equipment and consistent efforts over the decade, manufacturing of heavy duty products and its testing equipments is possible today. As a result of expansion, we started another division of WELLCARE named **"Wellcare Oil Tools Unit-II Pvt. Ltd."**

In addition to the two dedicated manufacturing facilities a separate facility in the name of **Wellcare Downhole Tools Pvt. Ltd.** Is established for the production of elastomers, seals and centralizers. All industry standard grades of elastomers are being manufactured in house at Wellcare Downhole Tools Pvt. Ltd.



**WELLCARE OIL TOOLS**  
Quality Solutions for Down-Hole Tools

## CORPORATE PROFILE

**Wellcare Oil Tools Unit-II Pvt. Ltd.** is an ISO-9001, ISO-14001 and OHSAS-18001 certified company and we have ISO integrated Quality Management System, located at **G-169, 170, 171 Karoli Industrial Area, RIICO, Alwar, Rajasthan, India – 301707**

Wellcare Oil Tools Unit-II is committed for, consistent development of challenging technologies solutions that help our clients with their direct involvement, feedback and association, through an extensive research and development (R&D) investment, to maximize the value of their oil and gas assets, moreover timely supply of Quality Products & Services at a reasonable price.

These objectives are achieved through a commitment of understanding and applying defined business processes, complying with established standards and implementing continual improvements.

We expanded Wellcare's infrastructure so that we can complete the industry and customer requirements. With time Wellcare Unit-II has established advanced and latest manufacturing facilities that are equipped with customized machines.

We also have in house test well facility which is equipped with:

- **50 feet deep vertical well**
- **Casing size range from 2-7/8" to 13-3/8"**
- **Temperature Range: Upto 500 deg. F**
- **Accustomed to carry pressure test up to 15,000 PSI**
- **SCADA control panel for testing and reports**
- **Capable for V6 to V0 validation testing**
- **Maximum Load: 250 Tons**
- **Real time graphs are prepared including pressure, temperature and load**

**Wellcare Downhole Tool Pvt. Ltd.** is dedicatedly engaged in the manufacturing of elastomer products and centralizer. We also manufacture customized dies to maintain high end capacity of elastomer. Wellcare Downhole Tool is manufacturing one of the best quality elastomers.

Wellcare Downhole Tool Polymer Engineering has been supplying high performance seals, o-rings and custom molded rubber components. Our specialized elastomer grades are tailored to provide high sealing efficiency for systems operating in the most inhospitable environments in the world, resistant to explosive decompression, sour gas, extreme temperatures, aggressive chemicals etc.



# CAPABILITIES



Quality Solutions for Down-Hole Tools OIL TOOLS



## PRODUCTION AREA

## CNC MACHINING CENTER



## ASSEMBLY AREA

# CAPABILITIES



## THREAD INSPECTION

## TORQUE MACHINE CENTRALIZER TESTING



## ENGINEERING DESIGN



# CAPABILITIES



TEST WELL  
**15,000 PSI**

THREAD GAUGE  
**CALIBRATION**



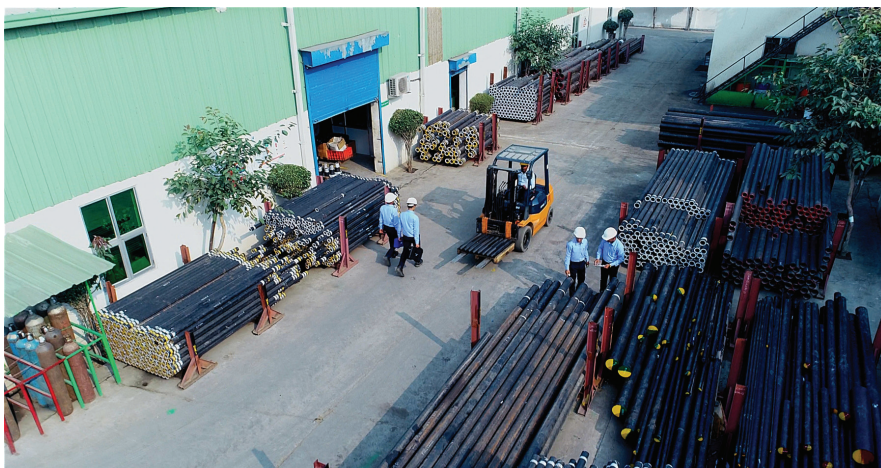
FIELD  
**PREPARATION**

# CAPABILITIES



## NDT LABORATORY FACILITIES

## TRAINING



## RAW MATERIAL YARD



# FACILITY



## Wellcare Oil Tools

F-209/210, IID, RIICO Industrial Area,  
Khuskhera, Alwar, Rajasthan, India.

## Wellcare Oil Tools Unit-II

G-169, 170, 171 Karoli Industrial Area,  
RIICO, Alwar, Rajasthan, India.



## Wellcare Downhole Tools

G-174 Karoli Industrial Area,  
RIICO, Alwar, Rajasthan, India.

## CENTERLIZER & STOP COLLAR

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12	WC-HWBSC	HINGED WELDED BOW SPRING CENTRALIZER
13	WC-SPBC	SINGLE PIECE BOW SPRING CENTRALIZER
14	WC-HVC	SOLID BODY CENTRALIZER
15	WC-HNPBC	HINGED NON-WELDED POSITIVE BOW CENTRALIZER
16	WC-HNSRC	HINGED NON WELD SEMI- RIGID BOW SPRING CENTRALIZER
17	WC-CST-TP	THERMO PLASTIC CENTRALIZER
18	WC-DPBSC	DRILL PIPE CENTRALIZER
19	WC-SCHB	HINGED BOLTED STOP COLLAR
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21	WC-SCSS-1	HINGED STOP COLLAR WITH SET SCREW
22	WC-SCSS	SLIP-ON STOP COLLAR WITH SET SCREW
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24	WC-SCDI	SLIP ON SET SCREW DUCTILE IRON STOP COLLAR

# HINGED NON-WELDED BOW SPRING CENTRALIZER

## OVERVIEW

The Wellcare Hinged Non-Welded Bow Spring Centralizer WC-HNBSC is designed for vertical, slightly deviated and less challenging wellbores.

The bow springs are manufactured from high quality alloy steel, hot bent to shape using dies and then heat treated under controlled temperature and time cycles for consistent spring characteristics. High performance is combined with the easy field assembly.

## FEATURE & BENEFITS

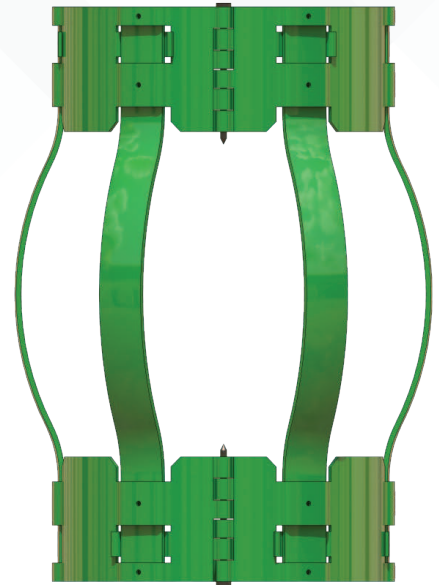
- Easy field assembly
- API 10D compliant
- Extended profile

## APPLICATIONS

- Reach <10,000 ft
- Onshore
- Vertical and slightly deviated wells
- Build rates of < 10 degrees / 100'
- Applications where slip-on centralizer can't be used

## AVAILABLE SIZE

WC-HNBSC are available in sizes **4 1/2" TO 26"**





# HINGED WELDED BOW SPRING CENTRALIZER

## OVERVIEW

The **Wellcare Hinged Welded Bow Spring Centralizer WC-HWBSC** features heat-treated, spring-steel bows which are welded to rigid high strength end bands for optimized stand-off in less challenging wells.

The WC-HWBSC utilizes unique metallurgy and heat treatment process to develop strength and flexibility. Tested to API 10D specification, this centralizer consistently provides superior performance.

The integrated hinge has been developed for quick installation and with the axial load strength of product.

It is designed for onshore, vertical and slightly deviated applications where an economic solution is preferred but performance is expected. An economical choice, the WC-HWBSC can be used over casing couplings to remove the need for stop collars.

## FEATURE & BENEFITS

- Unique, high strength hinge
- Good centralization in less challenging wells
- API 10D compliant
- Economic choice / high performance

## APPLICATIONS

- Vertical wells
- Applications where slip-on centralizer can't be used
- Onshore
- Slightly deviated sections of the wellbore

## AVAILABLE SIZE

WC-HWBSC are available in sizes **4 1/2" TO 26"**



# SINGLE PIECE BOW SPRING CENTRALIZER

## OVERVIEW

The **Wellcare Single Piece Bow Spring Centralizer WC-SPBC** is the single piece for challenging wellbores. Engineered strength and flexibility optimize RIH saving operators time and money getting to total depth.

Its single piece construction means the model has no weak points. It is designed for casing running environments with severe well geometries, high build rates, extended reach, J-type, S-type as well as HTHP applications.

The WC-SPBC is manufactured to gauge, has exceptional restoring force and outstanding flexibility down hole.



## FEATURE & BENEFITS

- Supports cementing best practices
- API 10D compliant
- Reduced torque and drag
- Optimum stand-off
- Zero start and running forces
- Enhanced rotation and reciprocation during RIH
- Maximum flow by area

## APPLICATIONS

- Onshore and offshore
- HTHP and geothermal wells
- Unconsolidated wells
- Shale oil & gas wells
- Extended reach, horizontal and highly deviated wells
- Sand screen completions

## AVAILABLE SIZE

WC-SPBC are available in sizes **4 1/2" TO 9 5/8"**

# SOLID BODY CENTRALIZER

## OVERVIEW

The **Wellcare Solid Body Centralizers WC-HVC** are a high strength solid product suitable for less demanding wells.

Made from solid steel, the WC-HVC function like a bearing during pipe rotation and helps to reduce torque requirements.

Available with straight vanes, right-handed and left-handed.

## FEATURE & BENEFITS

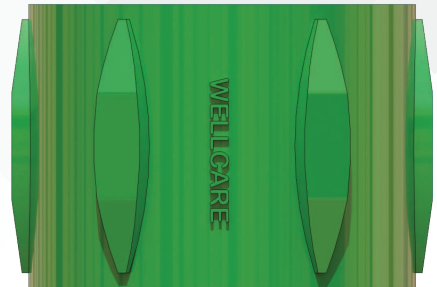
- High axial load strength
- Steel construction provides superior toughness
- Straight and right-hand spiral vane designs available to maximize fluid dynamics

## APPLICATIONS

- Reach <10,000 ft
- Onshore
- Vertical and horizontal wells
- Build rates of < 10 degrees /100'

## AVAILABLE SIZE

WC-HVC are available in sizes **4 1/2" TO 13 3/8"**



WC-HVC



WC-HVC-L



WC-HVC-R

# HINGED NON-WELDED POSITIVE BOW CENTRALIZER

## OVERVIEW

The Wellcare WC-HNPBC is a Hinged Non-Welded Positive Bow Centralizer developed for less challenging wells.

The WC-HNPBC offers an economical alternative to solid body centralizers in a rigid design that maximizes fluid dynamics and provides optimized stand-off, typical of rigid centralizers.

This non-welded product utilizes mechanically connected ribbed bows and a traditional hinge design for easy installation.

## FEATURE & BENEFITS

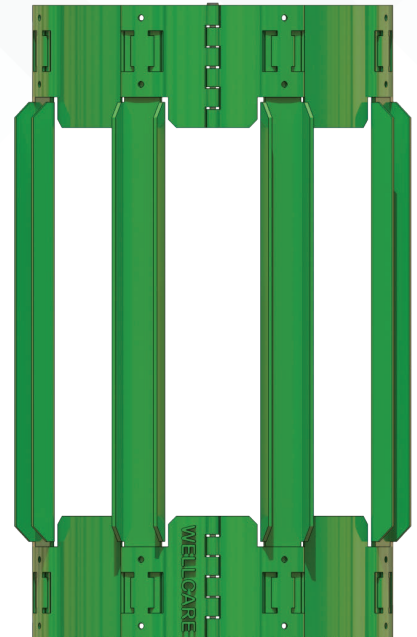
- Positive stand-off
- Good centralization in less challenging wells
- Maximizes fluid dynamics
- Economic choice

## APPLICATIONS

- Onshore
- Vertical wells
- Applications where slip-on centralizer can't be used
- Slightly deviated sections of the wellbore

## AVAILABLE SIZE

WC-HNPBC are available in sizes **4 1/2" TO 13 3/8"**



# HINGED NON WELD SEMI- RIGID BOW SPRING CENTRALIZER

## OVERVIEW

The Wellcare Hinged Non-Welded Semi-Rigid Bow Spring Centralizer WC-HNSRC is designed for vertical, slightly deviated and less challenging wellbores. The spring characteristics of its double crested profile permit compression to facilitate movement through tight spot.

The semi-rigid bow spring centralizer are manufactured from high quality alloy steel, hot bent to shape using dies and then heat treated under controlled temperature and time cycles for consistent spring characteristics. High performance is combined with the easy field assembly.

## FEATURE & BENEFITS

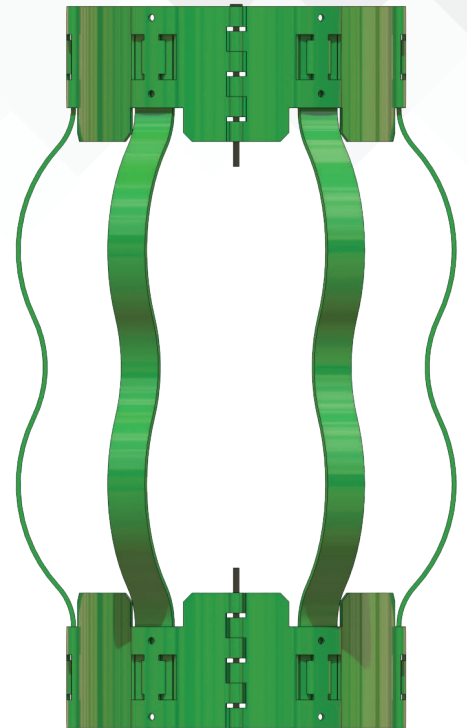
- Positive stand-off
- Good centralization in less challenging wells
- Maximizes fluid dynamics
- Economic choice

## APPLICATIONS

- Onshore
- Vertical wells
- Applications where slip-on centralizer can't be used
- Slightly deviated sections of the wellbore

## AVAILABLE SIZE

WC-HNSRC are available in sizes **4 1/2" TO 26"**



# THERMO PLASTIC CENTRALIZER

## OVERVIEW

**Wellcare Thermoplastic Centralizer WC-CST-TP** is designed to reduce drag and friction down hole it have lower friction factors, ultimate drag and rotational torque reduction, increased abrasion resistance for maximum stand-off. Blade are designed to enhance hole cleaning using maximized flow-by area. They are design to provide optimum flow and its fins or blades overlap the entire 360-degree open hole circumference. Therefore it reduces flow area between the spiral vane and creates vortex motion to increase fluid velocity with direction.

Thermoplastic centralizer withstands high well bore temperature up to 230 degree Celsius while providing maximum horizontal stand off. These Centralizers are well head friendly and have high impact with shock resistance, and Shock proof along with optimum tensile and yield strength.



## FEATURE & BENEFITS

- Good centralization in less challenging wells
- Maximizes fluid dynamics
- Economic choice

## APPLICATIONS

- Onshore & Offshore
- Horizontal wells
- Slightly deviated sections of the wellbore

## AVAILABLE SIZE

WC-CST-TP are available in sizes **4 1/2" TO 13 3/8"**

## DRILL PIPE CENTRALIZER

### OVERVIEW

**Wellcare WC-DPBSC Drill Pipe Centralizer** is used to centralize drill pipe, especially to ensure that inner string stab-in stinger is in center and properly in alignment with the corresponding float equipment.

These centralizers are designed to have adequate standoff and centralization. It is designed with rigid end collars and heat treated spring steel bows. The bows are heat treated and have spring action property for passing through restrictions. High performance is combined with the easy field assembly.

### FEATURE & BENEFITS

- It is used in stab-in inner string cementing applications.
- These centralizers are designed to be installed on drill pipes.
- Installation on the drill pipe is very convenient since it simply requires the placement of the two assembled halves.
- Optimum centralization by heat treated bow springs and adequate standoff.

### APPLICATIONS

- Used for oversized holes.
- Runs freely into difficult well-bores while providing excellent standoff.
- Slightly deviated sections of the wellbore

### AVAILABLE SIZE

WC-DPBSC are available in sizes **5" TO 6 5/8"**





## HINGED BOLTED STOP COLLAR

### OVERVIEW

The **Wellcare Hinged Bolted Stop Collar WC-SCHB** for quick installation in less deviated, onshore wells. It is developed to complement our range of hinged centralizers for vertical and horizontal sections and is made from the same high strength material.

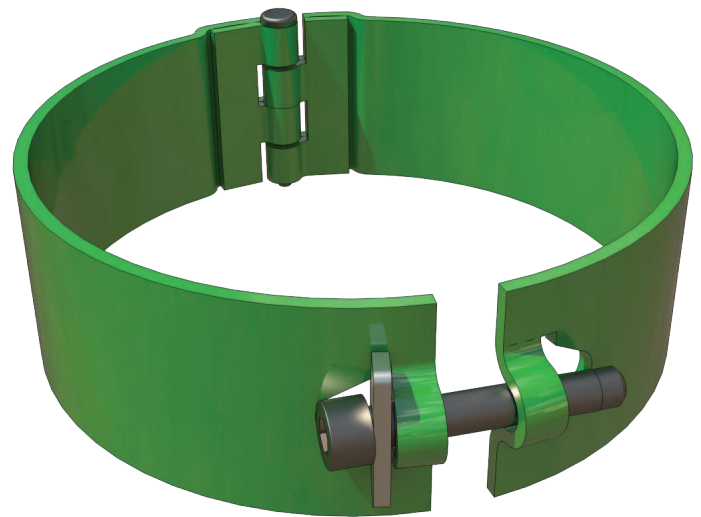
The holding action of the draw bolt tightening mechanism provides strong hold without damaging the casing. The WC-SCHB is recommended for use with all standard casing grades.

### FEATURE & BENEFITS

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

### APPLICATIONS

- Onshore wells
- Horizontal, vertical and deviated sections



# HINGED SPIRAL NAIL STOP COLLAR

## OVERVIEW

Wellcare Hinged Spiral Nail Stop Collar WC-SCHN can be used in both upset and non-upset casing to provide maximum clearance during rotation. It has a groove in the middle into which a spiral nail can be driven for improved grip on the casing. The broader band firmly grips the collar into position around the casing.

## FEATURE & BENEFITS

- This Hinged Spiral Nail Stop Collar is hinged at two places 180 degrees apart and one spiral nail in each half is driven between collar and the casing.
- It tightens the Collar to the casing firmly.
- They can be latched on the casing pipe without having to be slipped on at the end of the casing pipe allowing easy installation
- These are most effective where low annular clearance is encountered.

## AVAILABLE SIZE

WC-SCHN are available in sizes **4 1/2" TO 26"**



# HINGED STOP COLLAR WITH SET SCREW

## OVERVIEW

The **Wellcare Hinged Stop Collar with Set Screw WC-SCSS-1** is a high strength stop collar developed for use in challenging wells.

The WC-SCSS-1 provides a high-performance method of securing and protecting centralizers on the casing string. It utilizes a low profile, twisted hinge design for quick installation.

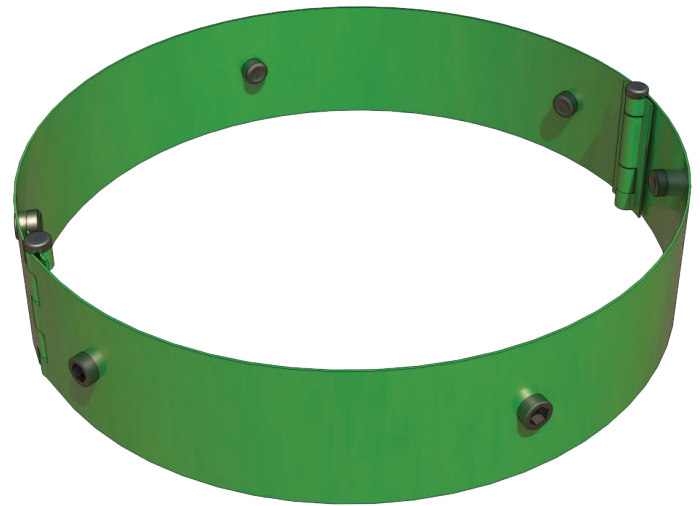
The WC-SCSS-1 can withstand high axial forces, making it suitable for demanding well conditions. Each WC-SCSS-1 stop collar is heat treated for strength to increase performance and reduce brittleness. Unique set screw design provides industry leading holding forces without excessive marring of wellbore tubulars.

## FEATURE & BENEFITS

- Premium hinged stop collar
- Fitment tested to up to 50 lb-ft torque
- Anti-vibration screw retention
- Maximum performance on casing grades up to P110

## AVAILABLE SIZE

WC-SCSS-1 are available in sizes **3 1/2" TO 26"**



# SLIP-ON STOP COLLAR WITH SET SCREW

## OVERVIEW

Wellcare Slip-On Stop Collar With Set Screw WC-SCSS are developed for use in challenging wells. They provide a high-performance method of securing and protecting centralizers on the casing string.

The WC-SCSS robust design can withstand high axial forces, making them suitable for demanding well conditions. They are heat treated to increase strength and reduce brittleness.

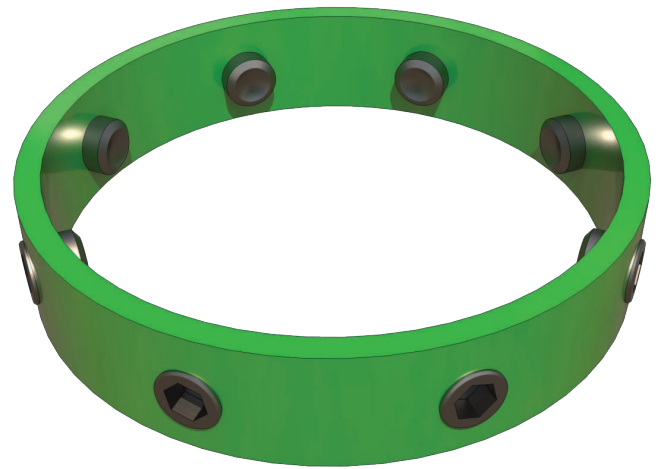
Unique set screw design provides industry leading holding forces without excessive marring of wellbore tubulars.

## FEATURE & BENEFITS

- Premium slip-on stop collar
- Fitment tested to up to 50 lb-ft torque
- Anti-vibration screw retention
- Maximum performance on casing grades up to P110

## AVAILABLE SIZE

WC-SCSS are available in sizes **2 3/8" TO 26"**



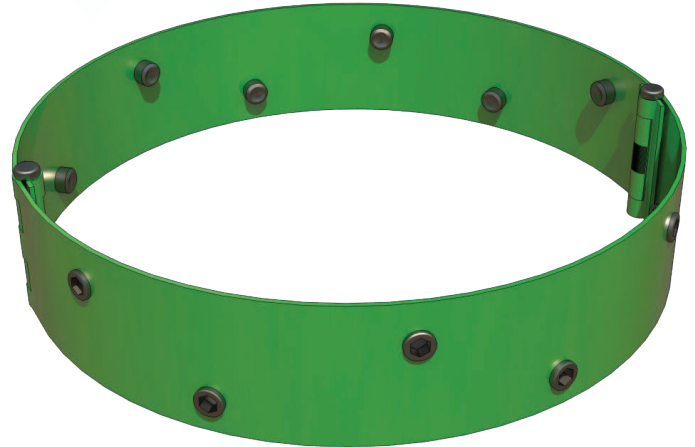
# SLIP ON HEAVY DUTY HINGED STOP COLLAR

## OVERVIEW

The Wellcare WC-SCSS-2 Slip On Heavy Duty Hinged Stop Collar is designed for use in challenging wells, providing a highly effective method of holding centralizers on the pipe and support cementing.

These stop collars are heat treated for strength and tempered for resilience. This ensures that the WC-SCSS-2 can withstand high axial forces, making it suitable for demanding well conditions.

Our radical new twisted hinge has a one of a kind “one way” hinge pin. It is high strength and built for quick fitment on the rig floor, if necessary.



## FEATURE & BENEFITS

- Premium, high holding force, heavy duty hinged stop collar
- No yield around thread effective diameter
- Fitment tested to up to 50 lb-ft torque
- Anti-vibration screw retention

## AVAILABLE SIZE

WC-SCSS-2 are available in sizes **3 1/2" TO 26"**

# SLIP ON SET SCREW DUCTILE IRON STOP COLLAR

## OVERVIEW

Wellcare Slip-On Set Screw Ductile Iron Stop Collar WC-SCDI are developed for use in challenging wells. They provide a high-performance method of securing and protecting centralizers on the casing string.

The WC-SCDI robust design can withstand high axial forces, making them suitable for demanding well conditions.

Unique set screw design provides industry leading holding forces without excessive marring of wellbore tubulars.



## FEATURE & BENEFITS

- Fitment tested to up to 50 lb-ft torque
- Anti-vibration screw retention
- Maximum performance on casing grades up to P110

## AVAILABLE SIZE

WC-SCDI are available in sizes **4 1/2" TO 13 3/8"**

# CENTRALIZER & STOP COLLAR SIZE CHART

Model	Casing Size																			
	2 3/8"	2 7/8"	3 1/2"	4 1/2"	5"	5 1/2"	5 7/8"	6 5/8"	7"	7 5/8"	9 5/8"	9 7/8"	10 3/4"	11 3/4"	13 3/8"	16"	18 5/8"	20"	26"	
WC-HNBSC	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
WC-HWBSC	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
WC-SPBC	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	
WC-HVC	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	
WC-HNPBC	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	
WC-HNSRC	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
WC-CST-TP	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	
WC-DPBSC	-	-	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	
WC-SCHB	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
WC-SCHN	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
WC-SCSS-1	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
WC-SCSS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
WC-SCSS-2	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
WC-SCDI	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	

**NOTE:** Additional size are also available on request.

For more information, contact **Wellcare** representative  
or visit us at [www.wellcareoiltools.com](http://www.wellcareoiltools.com)

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**WELLCARE OIL TOOLS**



## NOTES



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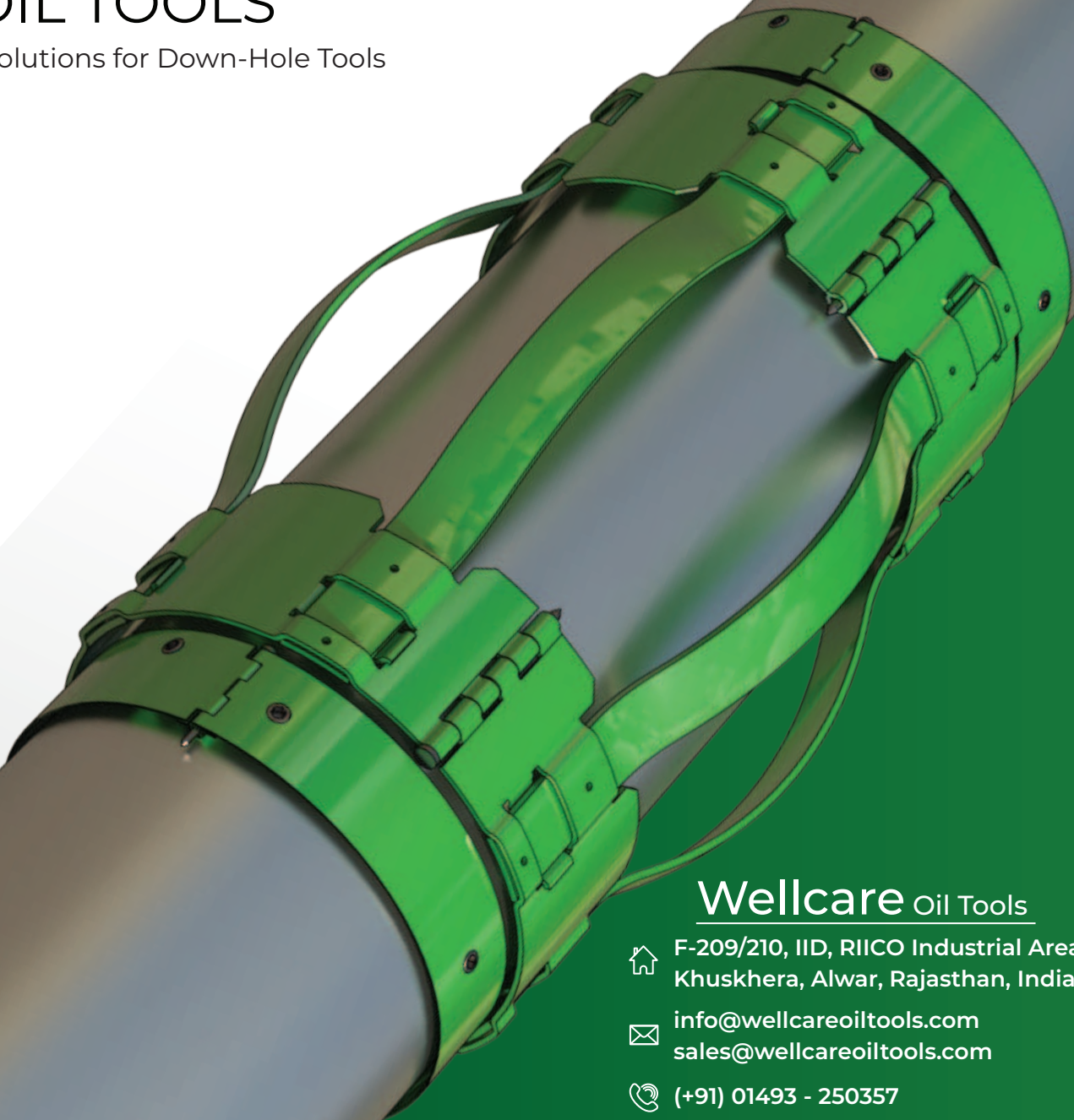
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