



Product Catalogue

Well construction and cementing equipment engineered for reliable performance across oil & gas, geothermal and demanding well construction applications.

Designed for vertical, deviated and horizontal wells, including high-temperature and challenging downhole environments.



IN THIS PACKAGE

01 Centralizers & Stop Collars

03 External Casing Packer & Dual Stage Cementing Collar

02 Float Equipment & Cementing Plugs

04 Liner Hanger Equipment & Reamer Shoe



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Centralizers and Stop Collars

Saga Centralizers are engineered for optimum performance and durability, and are tested to API Specification 10D which includes testing to determine starting, running and restoring force, with random destructive tests as part of our quality program. Bow spring, rigid, slider and thermoplastic designs cover vertical, deviated and horizontal wells in latch-on, slip-on and non-weld configurations, sized to the casing and hole combination on every order. Matching stop collars hold the centralizers in position on the string and are available in slip-on, single-bevel and latch-on styles with set screws for fast, secure make-up at the rig floor.

CENTRALIZERS TYPE

BOW SPRING CENTRALIZER
NON-WELD LATCH-ON TYPE



SLIDER 3
STANDARD



CEMENT BASKET
SLIP-ON TYPE



ZINC
CENTRALIZER



SLIDER 3
HEAVY DUTY



BOW SPRING CENTRALIZER
LATCH-ON TYPE



DRILL PIPE
CENTRALIZER



THERMOPLASTIC
CENTRALIZER



RIGID CENTRALIZER
LATCH-ON TYPE



TURBOLIZER



BOW SLIDER CENTRALIZER
LATCH-ON TYPE



ONE PIECE
CENTRALIZER



STOP COLLAR TYPE

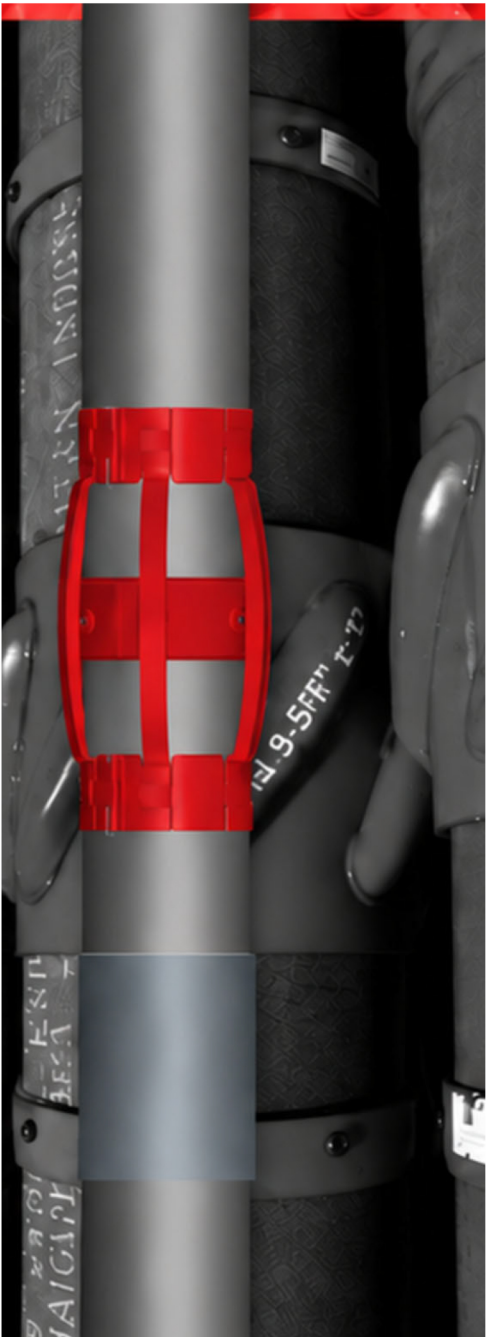
STOP COLLAR
SLIP-ON TYPE



SINGLE BEVEL
STOP COLLAR SLIP-ON



STOP COLLAR
LATCH-ON TYPE



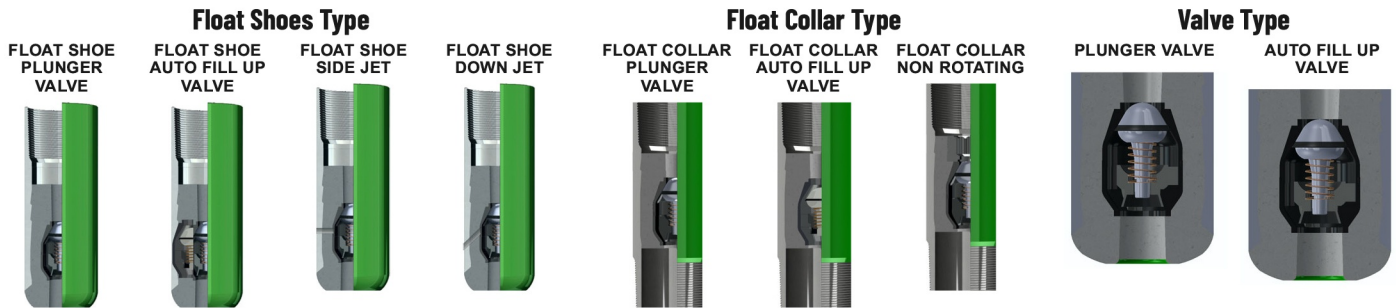
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Float Equipment & Cementing Plugs

Float Equipment — Saga float equipment is machined in-house on CNC machinery and proven on a computer-controlled API test loop. Every component is individually inspected and certified by our independent quality team, and meets or exceeds API requirements.



FLOAT EQUIPMENT



FLOAT SHOES AND FLOAT COLLARS

Engineered to hold a positive seal in highly deviated, horizontal, high-temperature and hostile wells.

Float valves are rated to 5,000 psi at 400 °F, with a flow rate of 6 bbl/min on 5-1/2" casing and smaller, and 10 bbl/min on 6-5/8" and larger, over a 24-hour flow duration.

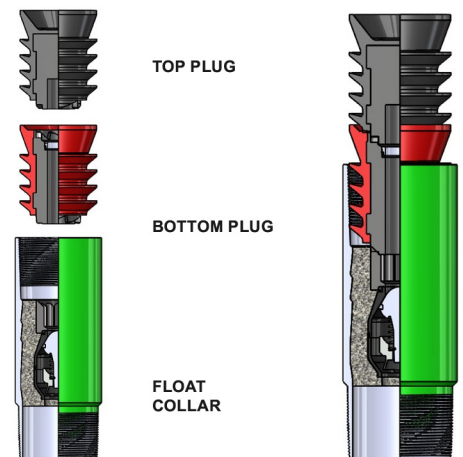
Plunger-type float equipment runs from 2-7/8" to 30" and is fully PDC drillable — including the valve spring. Standard API grades K55, L80 and P110 are stocked; other grades can be procured on request. Internal and external pressure applied must not exceed the pressure rating of the casing.

CEMENTING PLUGS

Saga supplies cementing plugs from 2-7/8" to 20". Our premium casing cementing plugs are PDC drillable, rated to 300 °F and colour coded for quick identification. They are highly abrasion resistant and withstand the pressure differential of standard float equipment. High-temperature and custom plugs are made to order.



SCHEMATIC RIH



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External Casing Packer & Dual Stage Cementing Collar

EXTERNAL CASING PACKER



External Casing Packers provide robust, zone-specific isolation of multiple loss or water zones in vertical, deviated and horizontal wells. Isolating specific zones is critical through the drilling, completion and intervention life of a well, and Saga inflatable packers deliver a high-pressure seal that eliminates annular flow while maintaining casing integrity.

The **three-valve system** gives a positive locking mechanism with built-in redundancy. Once the element is inflated to the predetermined pressure and the inflation control valve has shifted closed, a mechanical lock prevents further movement. When casing pressure is bled to zero, an integral collet locks the opening valve shut, preventing fluid bypass between casing and annulus in the event of a soft set. An integral screen keeps coarse particles out of the valve system.

DUAL STAGE CEMENTING COLLAR (DSCC)

Dual Stage Cementing Collars allow selected intervals of the casing string to be cemented in separate stages, a frequent requirement where two or more sections behind the same string need cementing, or where cement must be placed selectively above inflatable packers. Saga supplies mechanical and hydraulic stage collars in a wide range of incremental sizes, matched to the customer's casing grade, weight and thread type.

HYDRAULIC

The hydraulic DSCC uses a hydraulically opened port system. When the first-stage shutoff baffle plug lands on the shutoff baffle plate, increased internal pressure opens the stage tool, enabling circulation and allowing second-stage cement to pass through the ports into the annulus above the tool.



HYDRAULIC DSCC
NON-ROTATING



HYDRAULIC DSCC
STANDARD

MECHANICAL

The mechanical DSCC opens and closes its sleeve mechanically. It is used for two-stage cementing operations to reduce circulating pressure, cement contamination and the total volume of cement required.



MECHANICAL DSCC
STANDARD



MECHANICAL DSCC
NON-ROTATING

ACCESSORIES DSCC

Hydraulic DSCC Accessories



Closing Plug
Standard/ Non-Rotating

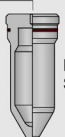
OPTIONAL



Shut off
Baffle Plug



Shut off
Baffle Plate

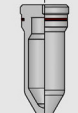


Free Fall Opening Cone
Standard/Non-Rotating

Mechanical DSCC Accessories



Closing Plug
Standard/ Non-Rotating



Free Fall
Opening Cone
Standard/ Non-Rotating



Shut off
Baffle Plug



Shut off
Baffle Plate



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Liner Hanger Equipment & Reamer Shoe

Liner Hanger Equipment — Saga-PCE offers a field-proven range of liner hangers for virtually any application, including geothermal and high-temperature wells. We manufacture mechanical and hydraulic, rotatable and rotating systems for vertical, horizontal and highly deviated wells, supplied with optional accessories such as extended-length tie back sleeves, integral and tie back packers, and our proprietary reamer shoes.

LINER HANGER EQUIPMENT



TYE
TIE BACK SLEEVE

TIE BACK SLEEVE

The TYE tieback sleeve transfers compression force from the running tools to set an integral liner top packer run with the liner hanger assembly.



PPL
MECHANICAL
LINER HANGER



ZTC
HYDRAULIC
NON-ROTATABLE



ZTR
ROTATABLE
HYDRAULIC



HRG
ROTATING
HYDRAULIC

LINER TOP PACKERS



XPG



XPG1



XPG2



XPG3



XPH



XPJ

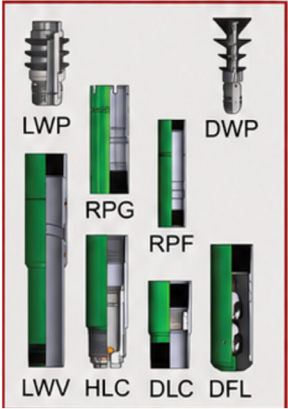
ROCKER ARM SLIPS

XPG, XPG1, XPG2 and XPG3 are high-performance liner top packers suited to most applications and compatible with all liner hanger models.

HOLD DOWN SLIPS

XPH and XPJ liner top packers are set by applying downward force through the tie back sleeve. XPH runs with non-rotating liner hangers; XPJ runs with non-rotatable liner hangers.

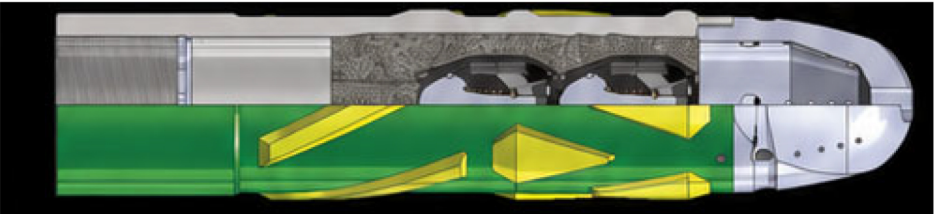
ACCESSORIES



LWP DWP
RPG RPF
LWV HLC DLC DFL

REAMER SHOE

The **DFR Double Valve Reamer Shoe** has a rounded aluminium eccentric nose that guides the liner to bottom. Down-jet ports provide the contingency to circulate through the ports when the liner is set on bottom. Two plunger-style check valves prevent back flow, and a screen plate above the concrete catches the landing collar seat and setting ball.



Built for your next well

Send us the casing programme, the hole conditions and the deadline. Our engineers will size the equipment, confirm grades and threads, and quote, including custom and high-temperature builds.

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