

WIRELINE[®]

CONTROL SYSTEMS



Wireline Lubricators

Wireline Safety Packages

Hydraulic Latch Assemblies

Lockdown Lubricator Systems

Side Entry Systems

Mechanical Locking Swivels

IMPROVED SAFETY THROUGH INNOVATION
WIRELINE PRESSURE CONTROL AND PIPE RECOVERY SOLUTIONS

Wireline Lubricators and Safety Packages



- Complete wireline lubricators from 3" to 13³/₈"
- Adaptor flanges
- Cased hole and open hole packoffs
- Grease heads
- Grease Injectors
- Cased hole and open hole line cutters
- Quick test subs
- Pup joints
- Safety valves
- Swivels
- Pump-in subs
- Plug valves
- Oil and spang jars
- Certified offshore containers

Wireline Control Systems provides a spectrum of advanced equipment used in pipe recovery and wireline applications. Our focused commitment to safety and quality assure our customers



that they will be getting certified, reliable equipment that will deliver superior performance. WCS follows a comprehensive Quality Systems Management Program with written documentation for servicing, testing, and tracking our equipment.



WCS is committed to providing a safe working environment for our customers and employees. We work in accordance with the policies and procedures found in the WCS HSE Manual and the WCS Drug and Alcohol Policy. Our goal is to prevent all accidents on and off of the job.

Hydraulic Latch Assembly

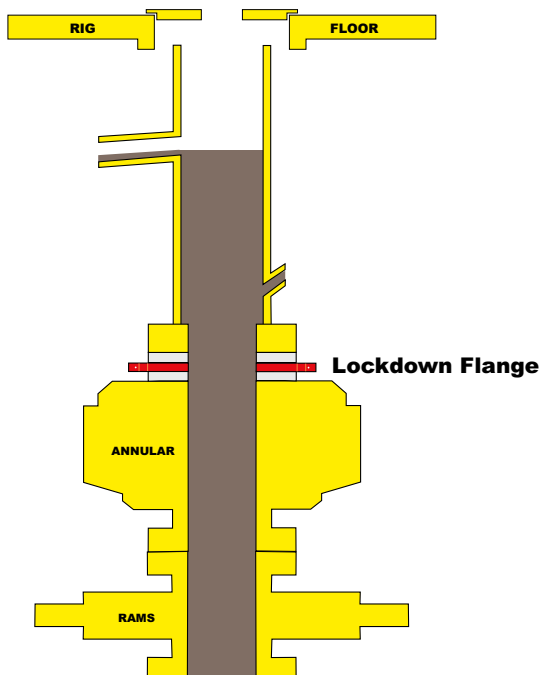
Wireline Control Systems' Hydraulic Latch Assembly (HLA) is a safe and efficient way to connect and disconnect wireline pressure control equipment (PCE) to a wellhead. Operator personnel can connect and disconnect PCE to the wellhead without working on top or adjacent to the wellhead. This automated system hydraulically "locks" and seals the PCE to the wellhead. Operator personnel perform this operation a safe distance from the wellhead using a remote actuator.



Lockdown Lubricator System

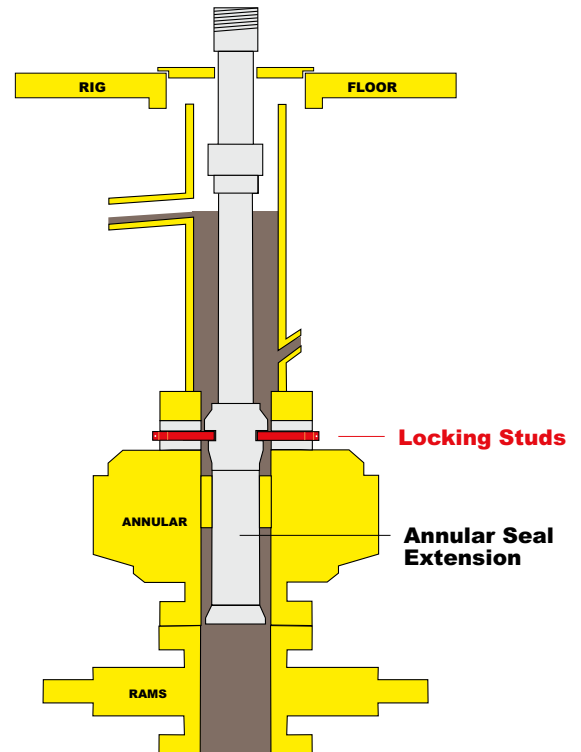
Wireline Control Systems is the exclusive provider of the Lockdown Lubricator System. The WCS Lockdown System is the safest and most efficient method of installing a wireline lubricator on drilling and workover rigs available today. With the Lockdown System, a wireline lubricator can be installed in minutes instead of the hours that are required when installing a companion flanged lubricator. The time savings provided by the Lockdown System make it easily affordable to keep it installed as part of the rig's bell nipple system.

Normal Operations



The Lockdown System is easily installed on many different sizes and types of bell nipple systems. Once installed, the Lockdown Flange replaces and functions as the rig's bell nipple flange. The Lockdown Lubricator System is utilized by land and barge rigs, jackup rigs, deepwater TLP and spar platforms globally.

Wireline Operations



When logging operations are to be performed, WCS' lubricator is simply lowered through the rotary/bell nipple until properly located. The locking studs on the Lockdown Flange are engaged, anchoring the lubricator to the rig's BOP. The rig's annular BOP is then sealed around the Lockdown Lubricator's annular seal extension.

When the logging operation has been completed, the annular seal is released and the lockdown studs are disengaged. The lubricator assembly is pulled out of the bell nipple/rotary. Normal rig operations are resumed in minutes without unnecessary hole exposure. The Lockdown Lubricator System provides for a quick rig up without sacrificing safety!

Advantages to using the Lockdown System

- Eliminates rig down time for lubricator installation
- Reduces hazardous exposure time for rig personnel
- Reduces well exposure time between pipe tripping and wireline operations
- Designed for offshore use but suitable for onshore applications
- Protects annular BOP rubber seal from damage by the wireline
- Multiple flange options and sizes are available

Standard Lockdown System Sizes:

11" 5M
 11" 10M
 13⁵/₈" 5M
 13⁵/₈" 10M
 16³/₄" 5M
 16³/₄" 10M
 18³/₄" 5M
 18³/₄" 10M

WCS will custom build Lockdown Systems in sizes not listed upon request.



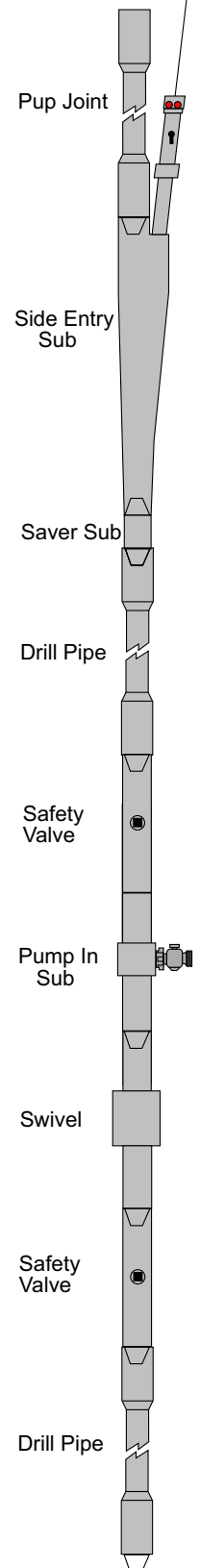
Side Entry Systems

Wireline Control Systems provides a Side Entry System for well control during pipe recovery, fishing and directional drilling applications. The Side Entry System was created to allow wireline operations through drill pipe without interference from the rig's top drive. The design permits the rig to reciprocate, rotate and circulate the drill string while wireline operations are being performed. Pressure control is maintained throughout all operations. The wireline is wiped clean as it is extracted from the wellbore. Swivels, standard or locking, are inserted in rig ups per application requirements.

WCS has Side Entry Systems in sizes from 4¼" IF to 6⅝" FH along with the ability to cross over to any size drill pipe.

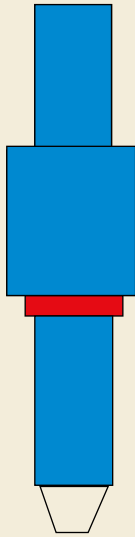
Advantages to using Side Entry Sub

- Keeps the wireline a safe distance from the traveling block and top drive
- Allows pumping and circulation at any time during wireline operations
- Wipes wireline clean as it is pulled from the well
- Wireline tools can be deployed through the top side
- The design of the tool allows for a straight pull on the drill pipe
- It can be run with a locking swivel for directional services
- Used in pumpdown operations

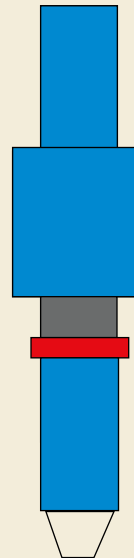


Mechanical Locking Swivel

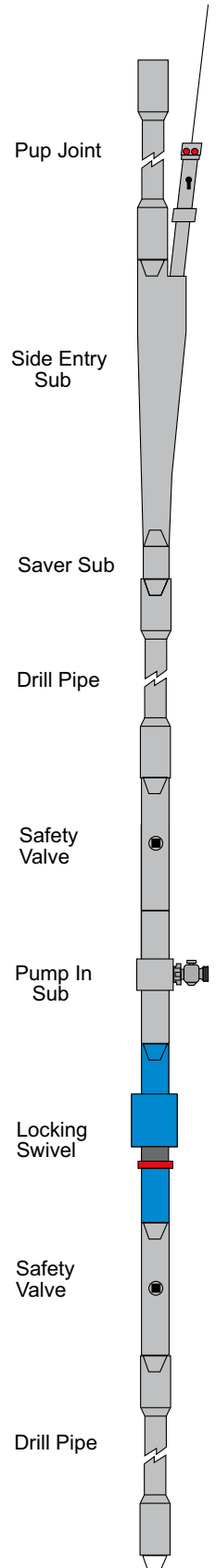
Wireline Control Systems' Mechanical Locking Swivel allows the drill string to be "locked" into place when using a downhole motor for drilling. When a new orientation is needed for the drill bit, the Locking Swivel can be disengaged, allowing the drill pipe to rotate. When the drill bit has been reoriented, the Locking Swivel can be locked into place and drilling can resume at the new orientation.



To Unlock the Locking Swivel:
Disengage Mechanical Locking Swivel by setting the weight of the drill string on the rotary slips, slack off approximately 3 inches until the red locator sleeve (the visual indicator) bottoms out against the lower face of the swivel housing.



To Lock the Locking Swivel:
Lift blocks to engage the Locking Swivel. The red locator sleeve will move approximately 3 inches below the swivel housing.



**Wireline pressure control
and pipe recovery solutions**

WI **RE** **LI** **NE**®
CONTROL SYSTEMS

**We have a large inventory
of equipment to meet your
wellsite needs.**



Midland, Texas 432-253-7642

Broussard, Louisiana 337-839-0900

www.wirelinecontrol.com