



“Ideal Wireline System”

Q SERIES CORE BARRELS

The Q Series Wireline

indicates the highest advancement in Wireline System. We manufacture this Q series which have been proved to be the most excellent.

Users have obtained impressive gains in core recovery, increased drilling progress and lower diamond costs. This practical system contributes to drillers to meet the operating demands the drillers face in day to day drilling tasks.



Features

1) The maximum core diameter and the highest rate of core recovery

There are three types in Q Series Core Barrels - Q, Q-U (for horizontal and angle hole drilling) and Q-3(Triple tube). Q Series can output the 19 to 32% larger core than conventional core barrels, which is matchless highest rate.

2) Increased efficiency in working process

Core is produced quickly by retrieving the core-laded inner tube through a drill string. The rods remain in the hole until the bit needs to be replaced. Drillers can spend more time coring and less time pulling and lowering the drill string. Adequate clearance throughout the entire Q Series Wireline System permits use of drill mud without excessive pump pressures.

3) Long Bit life

Because Bit always stays at the bottom of a hole while coring operation is successively made, a breakdown and reaming of the wall as the descent and ascent of drill rods – it is inevitable in conventional system – can be eliminated.



4) Easy detection of core block

Drilling operation can be stopped before the core gets broken through an alert given by a rise of pumping pressure once the core is stuck in a tube. That is, because of the system worked by the following process:

- a. The core block forces Inner Tube to move up.
- b. The pressure causes a swell of Shut off Valve.
- c. The swell blocks water circulation.
- d. The pressure caused by blocked water circulation raises pressure in a pressure gauge.



5) “Q-3” Series Triple Core Tube

The Q-3 Series is incompatible Core Barrel which offers unexcelled advantages when coring in coal, clay bearing or highly crushed and fractured formations.

Q-3 Triple-Tube Core Barrel is added a third-tube of stainless steel, split lengthwise and nested inside the inner tube. Coring with the Q-3 Core Barrel proceeds in the same manner as with the Q Series.

However, after the core laden inner tube assembly is retrieved through the drill string, the Core Lifter Case is removed and the core laden Split Tube is pumped from the Inner Tube using a hand-operated hydraulic pump. Also available is a pump out group designed to permit use of the drilling pump.

The piston protects the core from water pressure and gently moves the Split Tube to the point of discharge from the Inner Tube. The upper half of the Split Tube is carefully lifted off, revealing the core in a virtually undisturbed condition for transfer intact to the core box.

