

# DBC DRILL RODS

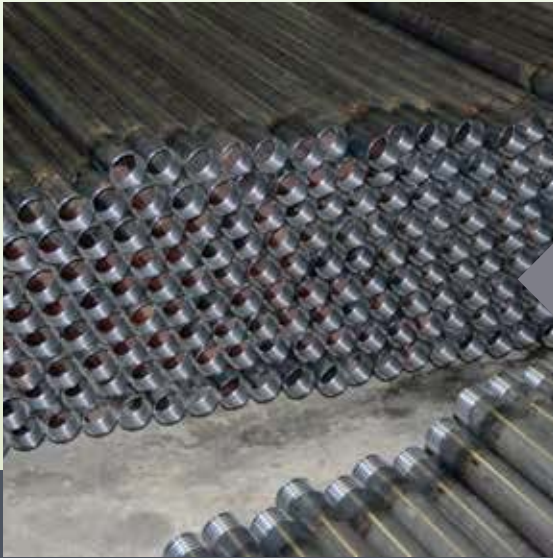


TOTAL CORE DRILLING TECHNOLOGY

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# DBC DRILL RODS



DBC drill rods are manufactured with the most advanced production techniques. The best raw material that is available in the industry is used.

Thanks to the heat treatment and the CNC machining, always the rods for top performance, economy and the productivity are produced.

## NECESSITY OF THE **QUALITY** MATERIAL

The hole depths keep increasing and therefore the rigs of today are getting more and more powerful.

The strength of the rods must be suitable for the conditions that are getting more difficult. For the high performance rods, it is essential to use very high quality steel material. DBC uses steel material that is at least 20-30% over the mechanical values given in the related standards.

The straightness is also very important for the drill rods. Although the standards say 1/2000 straightness, DBC rods have the straightness of 1/6000.

## **COLD** DRAWN **SEAMLESS** PIPES

The seamless cold drawn pipes create difference especially on hard conditions. Additionally, the cold drawing process gives very high mechanical values and precision on the dimensions. DBC uses the high performance cold drawn seamless pipes from the prominent suppliers around the world.



## TESTING ABILITIES

For the quality control in every stage of the production, DBC has an in-house laboratory. All raw materials tested with X-ray spectrometer before the acceptance. Also the equipment for the microscopic metallurgical testing and hardness testing are available. Additionally, with an especially developed test instrument, the threaded joints are tested for the maximum pull and torque values.



## HEAT TREATMENT

Another necessity for the outstanding performance is to increase the strength of the pipe ends where the joints will be.

The pipe ends of the DBC drill rods are heat treated with a computer controlled, advanced technique that exist only in few of manufacturers around the world. Thanks to this treatment, the strength of the rods is increased about 30-40%.

## THREADING

The profile of the WL rods is very special. and they must be produced with a strict tolerance. DBC drill rods are manufactured with high precision CNC lathes and specially produced cutting tips. All WL threads available in the market can be produced. Every single thread is checked with a master gauge just after machining.

## SURFACE PROTECTION

Male end of the rods are coated with a special chemical in order to prevent any potential galling.



## FRICTION WELDED CONVENTIONAL RODS

In addition to the WL rods, DBC is capable to produce conventional drill rods like AWJ-BWJ-NWJ with friction welding technique that provides a very strong joining between the flexible, seamless cold drawn midbody and the high strength couplings.





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Drilling Technology"