

Drill Pipes
and Drilling Tools

PERFORATOR



Drill Pipes and Drilling Tools

Drill Pipes and Drilling Tools for DTH and Rotary Drilling

PERFORATOR



PERFORATOR drill pipes and drill string components are available for all drill rig types, designed for minimizing operation costs and maximizing your drilling productivity. Highest quality in materials and manufacturing results in the highest performance of our products and your projects. Our API and ISO approved quality management system ensures an entire material traceability. A highly skilled team of specialists are always available for your support.

In **Down-The-Hole (DTH) Drilling** the percussion mechanism – commonly called the hammer – is located directly above the drill bit. The drill pipes transmit the necessary feed force and rotation to the hammer and the bit.

Rotary Drilling does not require a hammer. Instead, rotary drilling creates a very large compressive force along the drill string to the drill bit, in combination with rotational movement.

- Drill pipes from 35mm to 300mm OD – up to 219mm OD in friction welded version
- Available for drill rigs from EPIROC, Sandvik, CAT, Bucyrus, Cubex, Driltech, Hausherr, Ingersoll Rand, Nordmeyer, Prakla, Soilmec/Drillmec and many more
- Standard thread types like API Regular, API NC, API FH, API IF, BECO, Cubex, Z-threads, RD (round threads) and many more
- Casings
- Drilling Tools: drill bits, drill collar, stabilizer, subs, check valves, hoisting equipment, fishing equipment, etc.
- Optional hard facing for wear protection in abrasive ground conditions



Drill Pipes and Drilling Tools for Reverse Circulation Drilling

Drill Pipes and Drilling Tools for Horizontal Directional Drilling

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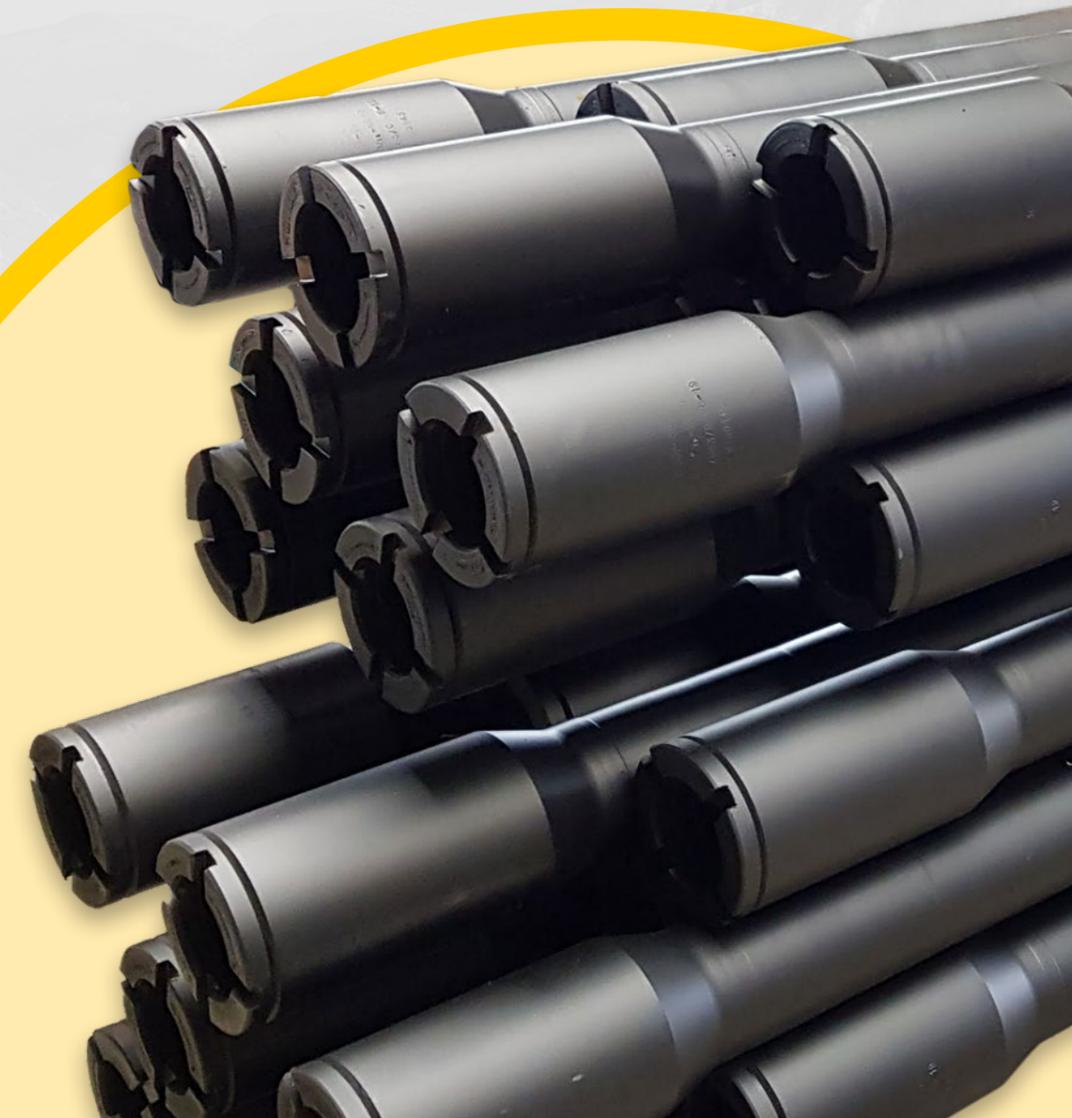


Reverse Circulation Drilling (RC) is a method of drilling which uses dual wall drill pipes that consist of an outer drill pipe with an inner tube. These hollow inner tubes allow the drill cuttings to be transported back to the surface in a continuous, steady flow. Unlike diamond drilling, it compiles sample rock cuttings instead of rock core.

- RC drill pipes from OD 88,9mm to 273mm
- Standard design with o-rings, alternative with special flat seal system (OF-version)
- All common industry standards like Metzke, Remet, Matrix, DR, API and PERFORATOR threads
- Accessories: crossover subs, digout subs, blow-down subs, blow-up subs, etc.
- Non-magnetic stainless steel RC drill pipes

Horizontal Directional Drilling (HDD) is a directional drilling technique for horizontal wells. This allows pipelines to be laid underground without having to dig a trench. The boreholes can be several hundred meters long. The horizontal directional drilling rig drills an underground channel and pulls in one or more product pipes or empty pipes as it retreats.

- Friction welded and integrally forged HDD drill pipes
- HDD drill pipes for many drill rig types from Mini to Maxi like Ditch Witch, Vermeer, American Auger, Prime Drilling, Herrenknecht, Tracto Technik, Flow Tex and many more
- Optional with hard banding as wear protection



Drill Pipes and Drilling Tools for Oil and Gas

Oil and Gas Drill Pipes are specifically designed for the particular requirements of extracting oil and gas.

Our API and ISO approved quality management system ensures an entire material traceability.

- Drill Pipes according API spec. 5DP
- Tube material in grades E75, X95, G105 and S135
- Upset types: EU (external upset), IU (internal upset) und IEU (internal external upset)
- Dimensions from 2 3/8" to 5 1/2" in lengths from range 1 to range 3
- Tool Joints with all usual threads according API 5DP
- Optional Hardbanding Arnco, Tuboscope, Duraband and other
- Optional internal plastic coating TK34-P
- All types of subs according API 7-1



Augers and Cutters for Vertical and Horizontal Drilling

PERFORATOR



Augers and Cutters for vertical or horizontal drilling are mainly used for mining, construction and investigation projects. PERFORATOR offers a wide range of auger drill string components for soft to medium ground conditions. One of the biggest advantages of our augers is the snap lock connection, which allows a very comfortable and fast connecting and disconnecting of the augers.

Our General Auger range

- Auger diameters from 28mm to 1680mm
- Working lengths from 0,5m to 6m
- Square connections with or without flushing hole from 13mm to 24mm
- Hexagon or octagon connections from 29mm to 210mm
- Special round tapped connection (Stihl)
- All types of API threaded connections like API REG, etc.
- Dual key hollow stem auger connections
- Lead augers and cutter heads for all types of ground



PERFORATOR manufactures the right cutter heads for all types of auger for use in all soil formations:

- Fishtail bits
- Toothed cutter heads
- Rock cutter heads with T.C. picks
- Trench wing cutter heads
- Wing cutter heads with included rock cutter
- Tricone bits
- Step-type drag bits
- and more



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