

DeltaBase 550

Multipurpose drill rig



DeltaBase 550

Boart Longyear has been producing high performance, quality products to the exploration, mining and water well industry for over 100 years. The DeltaBase 550 is a truck mounted, lightweight drill rig especially designed for multipurpose drilling work on job sites in Africa, Asia and the Middle East. The rig is optimized to drill with direct mud circulation, DTH hammers, augers and wireline core drilling tools.

Advantages:

- Easy procedures to interchange between the different drilling methods
- Short set up time
- Truck with 6x6 drives for excellent terrain performance
- Simplified maintenance through optimized design
- The drill rig is built using high strength and light weight materials

Features:

- Fast optimized manual rod handling
- Mud pump, coring pump and air treatment unit are deck mounted for quick setup time and maintenance
- Boart Longyear Break-O-Matic system for making and breaking rods
- The unit is designed for operation up to a 1000 meters above sea level at temperatures from -10 to +45°C
- Highly efficient PTO driven hydraulic system

Applications:

- DTH drilling with or without ODEX systems
- RC DTH drilling
- Rotary drilling with deck mounted Gardner Denver pump
- Auger drilling with normal or hollow stem augers
- Traditional or wireline drilling

Accessories:

- Manual chuck
- Clamp and break-out tong
- Injection pump for water or foam
- Lubrication pump for hammer
- Wireline winch
- Speck coring mud pump

Maintenance of the DeltaBase 550 is easy because of its optimized design and reduced bulk that allows access to all components. Penetration rates and bit life are optimized through the precise control the operator has over rpm, torque and bit weight.

Three hydraulic motors are driving the rotation unit. The rotation of the hollow spindle is infinitely variable in both directions by a 3 speed gearbox on the head.

The hydraulic system is driven through the truck gearbox and transfer case with direct driveline from the air actuated PTO.

The speed of the winch is infinitely variable. The winch is of the fall safe type and is automatically hydraulic operated.



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Boart Longyear is constantly striving to improve its products and must, therefore reserve the right to change designs, materials, specifications and price without prior notice.

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