

SONIC 3500

HYDRAULIC DRILLING IMPLEMENT



WOLF®



SONIC 3500

The perfect choice for demanding operations and extraordinary results!

The SONIC 3500 drill is 100% hydraulic. Installed on excavators, it can be used in quarries, open-pit mining, construction companies, and drilling service providers, among many other applications.

It offers higher productivity compared to a pneumatic drill. Diesel consumption is significantly reduced compared to a pneumatic system (drill rig + compressor). The drill is operated via radio control, ensuring the operator is not exposed to hazardous situations.

In just a few minutes, a single machine can perform three functions:

- Drilling;
- Demolition;
- Excavation;

SONIC 3500

- Operational Simplicity
- Low Investment
- High Mobility
- High Productivity
- Multiple Drilling Positions
- Low Maintenance Cost
- Reduced Diesel Consumption
- Wide Operational Reach





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DESDE
1974

The Equipment

The SONIC 3500 drill rig offers superior productivity compared to a pneumatic drill. Diesel consumption is significantly reduced compared to a pneumatic system (drill rig + compressor). The operator can control the drill rig from outside the cab using remote control, avoiding exposure to hazardous situations.

In just a few minutes, a single piece of equipment can perform three functions:
Drilling, Demolition, and Excavation.



VERSATILITY AND HIGH PERFORMANCE IN DRILLING

- **Hydraulic Drilling Attachment:** The SONIC 3500 is a 100% hydraulic rock drilling attachment, designed to deliver high productivity and low operational costs. Installed on excavators, it is ideal for applications in quarries, open-pit mining, civil construction, and drilling services, providing superior mobility and efficiency compared to traditional pneumatic drills.
- **Digital Inclinometer:** Integrated into the display functions.
- **Digital Depth Gauge (Optional):** A sensor that indicates the drilling depth to the operator.
- **High Performance:** Average production of 28 - 52 linear meters per hour, depending on the drilling diameter, rock type, and conditions.
- **Rod Changer:** With an alternating system, it reduces exchange time and increases the lifespan of drilling materials, minimizing wear.
- **Reduced Labor Requirement:** Requires only one operator, eliminating the need for an assistant.

WOLF CARE+ You produce, we take care of everything!

Preventive Monitoring Program: Based on the factory's service intervals to maximize performance and minimize unexpected downtime.

Preventive Visits: WOLF Care+ reduces the risk of unexpected breakdowns, increasing your equipment's availability. Our technicians are highly skilled at performing the necessary inspections, ensuring the best performance from your WOLF Drill Rig.

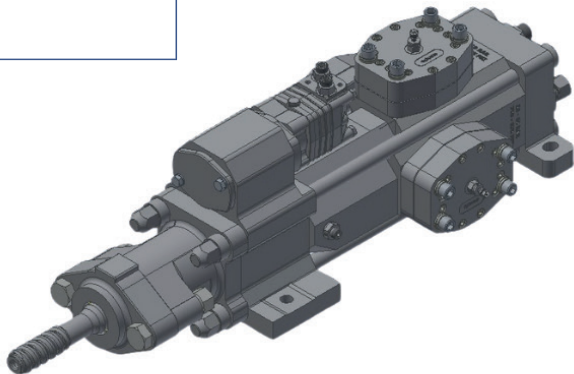
P.M.P. - Preventive Maintenance Program: Scheduled maintenance carried out in strict accordance with the PMP, developed by our team of technicians and engineers. (Excluding wear parts and lubricants)

Technical Specifications

ROD CHANGER Carousel Type with 3.66 m (12') Rods Capacity: 6+1 Rods Rod Greaser	DUST COLLECTOR (optional) Primary Type: Cyclone Secondary: 4 filters Suction Capacity: 35m³/min (882 CFM)
BOOM Length: 7 meters Effective Length: 4.5 meters	CLEANING SYSTEM Water Cleaning Tank Capacity: 150 liters (33 gal)

Note: The SONIC equipment series is equipped with a Dust Collector and/or Water Cleaning system to meet the requirements of the Mining Regulatory Standards (NRM), as outlined in Decree-Law No. 227 of 02/28/1967. Specifically, NRM 09 - Items 9.1.3.1 and 9.1.3.2.

HYDRAULIC HAMMER: W19 Working Pressure: 140 bar (2,030 PSI) Impact Power: 19 kW (26 hp) Impact Frequency: 2.600 BPM Weight: 237 kg Rotational Torque: 750 Nm (533 lbf/ft) Thread Type: T38 / T45 Drilling Diameter: 2 1/2" - 4" Magazine / Rod Quantity: Carousel 6 + 1 Rod Length: 3.6m (12")
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OPTIONAL ITEMS SONIC Installation / Adaptation of the 4th Excavator Function Installation of Retention Valve for Excavator Boom Cylinders Installation of Chassis Swing Brake for Excavator Compressor Base Anti-Jamming Dust Collector (Primary + Secondary) Water Cleaning System 360º Boom Rotation Emergency Button (installed on the boom) Nitrogen Charger Depth Meter Lower Casing "Boonzinho" for Hose and Control Protection Protective Grid (CE standard) for Engine and Feed Reducer	3500 OPTIONAL OPTIONAL OPTIONAL OPTIONAL STANDARD OPTIONAL STANDARD UNAVAILABLE OPTIONAL OPTIONAL OPTIONAL OPTIONAL OPTIONAL
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Technical Delivery

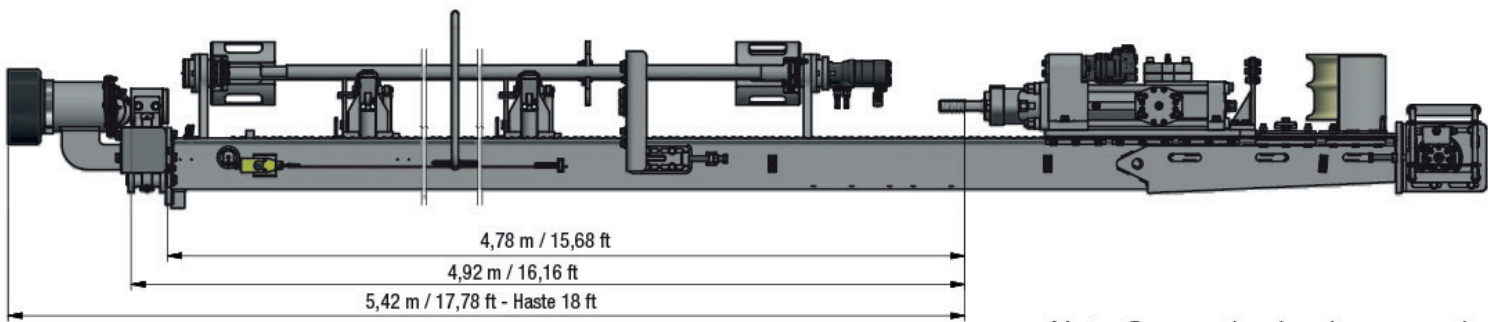
The technical delivery of the equipment is carried out in the field and consists of:

- General presentation of the equipment and main components;
- Procedures for initial daily operation;
- General checks (water and lubricant levels, pressure adjustments, hammer calibration);
- Preventive maintenance of the equipment;
- Practical operational training.

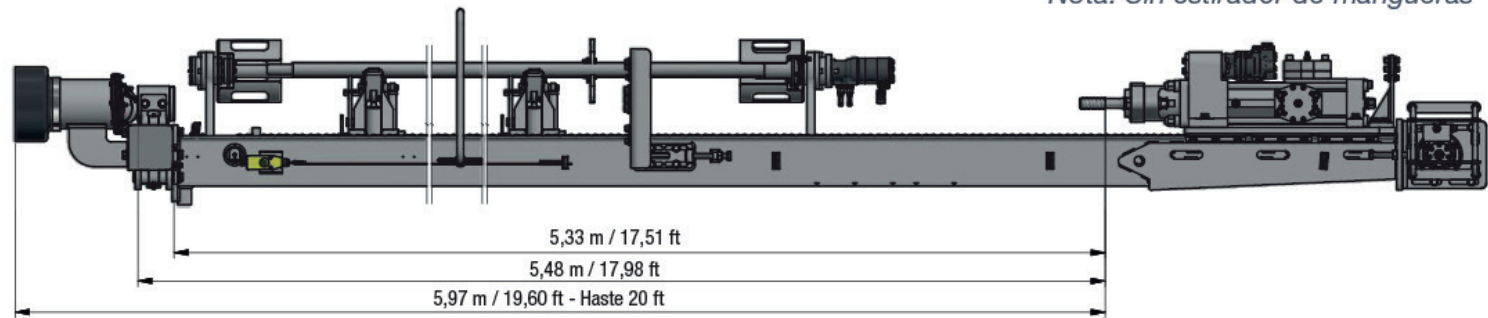
Dimensions

TRANSPORT

Length: 7.800 mm	Width: 3.000 mm	Height: 2.000 mm	Weight: 3.500 Kg
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Nota: Sem esticador de mangueiras
Nota: Sin estirador de mangueras



- Peso / Peso: 3,500 Kg / 7.716 lb
- Largura / Ancho: 3 Metros / 9,84 ft
- Comprimento / Longitud: 7,8 Metros / 25,59 ft
- Altura / Altura: 2 Metros / 6,56 ft

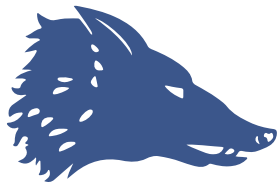
Responsibilities

From the Customer:

- The excavator must have an additional accessories line that meets the demand of 240 to 250 L/min @ 150 bar, with valves located on the excavator arm with a 1.7/16" ORFS adapter and a safety regulator valve in the additional line (overload valve).
- There are models that allow electronic flow/pressure regulation through the equipment display. In this case, the excavator manufacturer must provide written authorization for WOLF to perform the necessary procedure.
- In some excavators, it is possible to add the pump flow rate for the ADDITIONAL ACCESSORY LINE via the panel. When the equipment does not include this function, it is necessary to interconnect the hydraulic pumps so that the ADDITIONAL ACCESSORY LINE is activated using the equipment's 2 pumps, avoiding heating and premature wear due to using almost the total capacity of 01 (one) Pump, especially in machines under 30 tons. Ensure the return line is sized appropriately (minimum 1.5/4" – 32 mm internal diameter) to ensure a return pressure of less than 10 bar. The return must be routed through the heat exchanger.
- This must be guaranteed by the equipment manufacturer (for new machines), or for used machines, technical validation by a specialized company through a technical report is required.
- The excavator must have counterbalance valves mounted on the boom cylinders (rod side and base side) and bucket cylinders (rod side).
- The excavator must have an actuation button for the auxiliary ON-OFF output (required to activate the ADDITIONAL ACCESSORY LINE).
- In some cases, it is necessary to add a valve to control this function; in others, only an electrical control change to the equipment valve is required, requiring written authorization from the customer.
- The excavator must have a 360° slew clearance within the manufacturer's specifications. This prevents rod breakage or deviation during drilling.
- We recommend installing two solenoid valves in the slew pilot line that are simultaneously actuated by the ON-OFF button with the drill, eliminating the slew activation signal while the drill is operating.
- When installing the SONIC 3500, a ¼" hole must be drilled for the casing drain on the top of the excavator's hydraulic tank. This will be performed by WOLF with the customer's written authorization.
- Without this drain, the machine will not operate with a dust collector, only with a water tank.
- The customer must send the 250cfm @ 100 psi air compressor (diesel-powered model) along with the excavator (only for customers who choose to install the compressor on the rear of the excavator).
- The excavator must be filled with a full tank of diesel.
- The customer must send 100 liters of hydraulic oil (the same recommended by the equipment manufacturer, used in the excavator), as this oil must be topped up when installing the hydraulic drill.

From the Wolf:

- Within 7 business days of receiving the excavator, WOLF will return to the customer with a checklist to ensure the machine meets the specifications for installing the SONIC 3500.
- If it does not meet the specifications, an additional cost will be quoted for adjustment.
- Check whether the bolt that comes with the excavator is compatible for attaching the compressor base. If not, check stock availability and/or purchasing (only for customers who choose to install the compressor on the back of the excavator);
- Check the availability of shot for the compressor counterweight (only for customers who choose to install the compressor on the back of the excavator);
- Check the design for attaching the compressor base to the excavator and attaching the compressor to the base;
- After the equipment installation/release is complete, the following items: bucket, counterweight, and excess oil will be shipped with the shipment.



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