



# WOLF<sup>®</sup>

## Hydraulic Crawler Drill



- ▶ The **FOX** Hydraulic Trailer series is an excellent choice in rock drilling equipment that can be used in Quarries, Opencast Mining, Construction, Drilling Service Providers, etc. This equipment generates high productivity with low operating costs and with 100% national technology.
- ▶ The **FOX 12-30** equipment, developed and designed by WOLF, is fully hydraulic and requires a single operator;
- ▶ Equipment allows drilling with diameters between 2.1/2" - 4" (64 to 102 mm), through the Surface Hammer model W 19 system;
- ▶ Self-sufficient, the **FOX 12-30** has a water-cooled Cummins diesel engine;
- ▶ The **FOX 12-30** can be equipped with two models of Ergonomic Air-conditioned Cabs, one of which meets international safety standards "ROPS" and "FOPS".
- ▶ **These standards and certifications guarantee the cabin Roll Over Protection (ROPS) and Falling Objects Protection Level II (FOPS).**
- ▶ Inside the cabin, there are all the controls that facilitate the operation and provide greater efficiency and safety during locomotion and drilling. The operator has an excellent view of the mine shaft at the time of drilling.
- ▶ Commands through Joysticks, allowing greater efficiency and operational ease.
- ▶ **Better Operational Vision:** boom with 45 degree inclination allowing complete visualization of the operation, from the mine shaft, rod changer, to the Motor/Advance Reducer assembly.
- ▶ Interactive Digital Display inside the Cab showing and monitoring at all times all indicators of Pressure, Flow, Temperatures, Operations and with the built-in DIGITAL INCLINOMETER, giving a correct angulation of the boom for drilling (X and Y axes - 90 degrees per axis) ;
- ▶ In this Digital Display, ALERTS TO THE OPERATOR are also presented, indicating that the equipment is near or at the time of performing PREVENTIVE MAINTENANCE and presenting POSSIBLE SOLUTIONS FOR PROBLEMS FOUND.
- ▶ Heavy-duty structural steel constructed chassis with two rough terrain compensating cylinders, achieving  $\pm 10^\circ$  Front /  $10^\circ$  Rear sway.
- ▶ **Depth Gauge:** Hole depth gauge sensor.
- ▶ Treadmill with special steel shoes. Heat treated steel track links, pins and bushings.
- ▶ "Forged" and oil-lubricated rollers (no maintenance).
- ▶ Belt tensioner through Grease Pump and Check Valve.
- ▶ Hydraulic system composed of 2 hydraulic pump (piston/gear) with load sensing (load sensor) coupled to the diesel engine;
- ▶ LED headlights for night work;
- ▶ Extensive boom increasing drilling range by up to 1.2 meters, reducing unnecessary equipment displacement;
- ▶ Reverse audible warning, indicating the movement of the equipment;

- It has a Mobile Dust Collector Nozzle / Hood, making it easier to see at the mine mouth and allowing a perfect seal, increasing suction efficiency.



## WOLF CARE + - You Work, We Care!

**Preventive follow-up** program according to factory service intervals to maximize performance and minimize unexpected downtime.

**Regular visits** – The maintenance of your equipment is always up to date.

**WOLF Care+** preventive visits reduce the risk of unexpected breakdowns, increasing the availability of your equipment. Our technicians are highly qualified to carry out the necessary checks, always bringing the best performance from

your WOLF Drill.

- P.M.P. - Preventive Maintenance Program:** Scheduled Maintenance carefully following the PMP, developed by our team of technicians and engineers\*. Don't despair and don't waste time and production with emergency stops.

*\*Except wearing parts and lubricants.*

- Extended Warranty:** Worry about winning more projects, let WOLF take care of your drill for you. We offer an extended warranty covering machine components except Diesel Engine

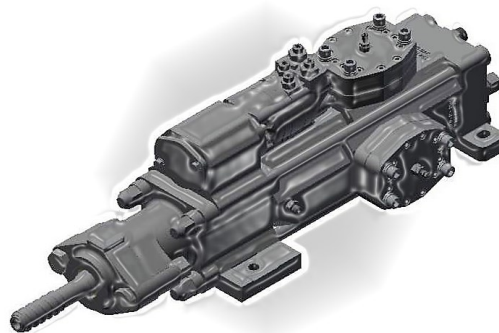
## EQUIPMENT ADVANTAGES

- Lowest Operating Cost in the Category;**
- Operational and Maintenance Simplicity;**
- Labor Reduction: 1 operator;**
- Spare Parts in the National Market;**
- Services / Maintenance performed by the manufacturer;**
- Locomotion / Stability:** the equipment was designed with hydraulic planetary gearboxes, being self-sufficient to move, reflecting high torque and better performance on slopes.



# Hydraulic Drifter

“ High Performance” and “Low Maintenance”



Model	W 19
Impact Power	120-140 bar (2.030 PSI)
Impact Frequency	19 kw (26hp)
Weight	2.600 BPM
Rotation Torque	237 kg
thread type	750 Nm (533 lbf/ft)
Drilling diameter	T38 / T45
Magazine / Qty. of rods	2.1/2" - 4" ( 64mm - 102mm)
Length of Rods	Carrossel 6 + 1
Work pressure	3,66m (12")



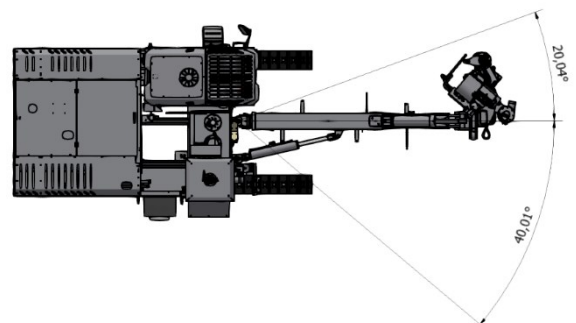
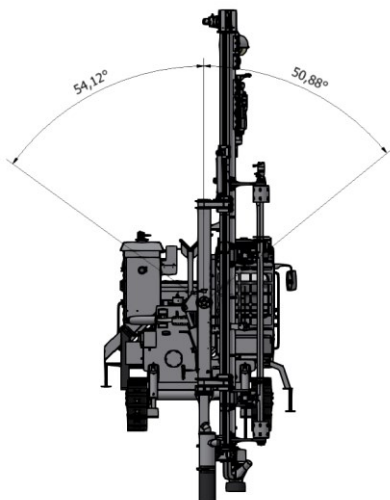
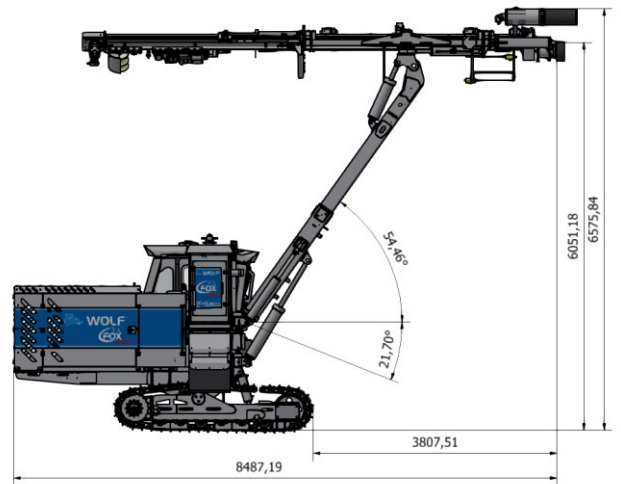
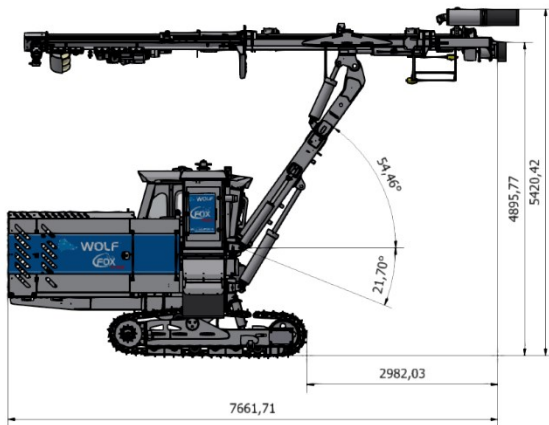
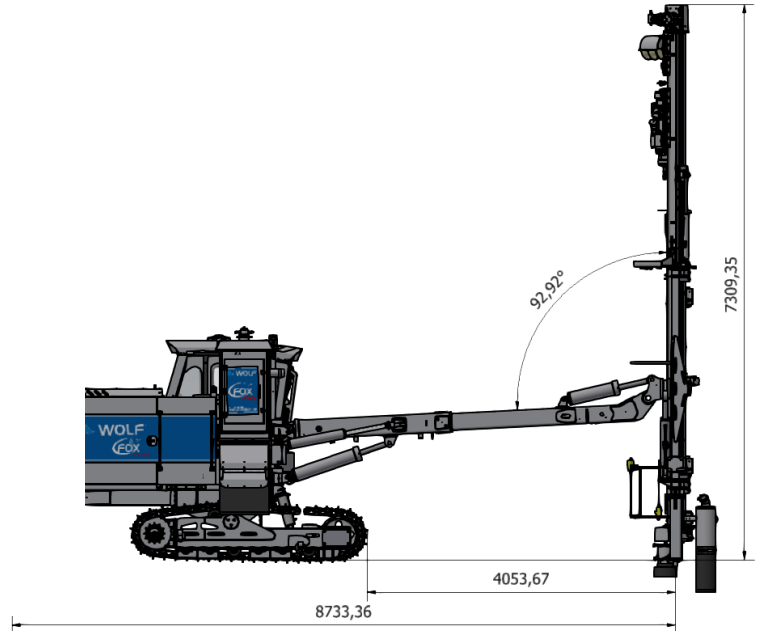
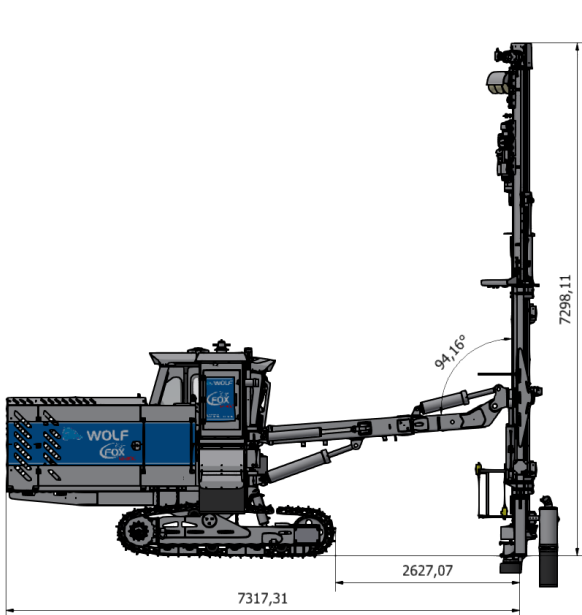


## TECHNICAL DATA

DIESEL ENGINE	COMPRESSOR UNIT
Cummins Model 6cc 6CTA 8.3lt – 234HP Water cooled Diesel Tank Capacity 285 lt	Screw Type Flow: 250 CFM / PCM Pressure: 105 psi (7-9 bar)
ROD CHANGER	SPEAR
Carousel type Capacity 6+1 Rods Rod greaser Stems: 3.66 m (12')	Length: 7 meters Usable length: 4.5 meters
TRACTION	HYDRAULIC CURRENT ADVANCEMENT
Max speed: 3,8 km/h Pulling force: 56.596 N Ramp up: 36% Truck Oscillation: +/- 10°	Planetary Reducer System
BIGGER TRACTION	
Maximum speed: 4.2 km/h Traction force: 51,566 N Climbing ramp: 31% Truck Oscillation: +/- 10°	
CLEANING SYSTEMS	
DUST COLLECTOR (Standard)	CLEANING WITH WATER (Optional)
Primary collector: Cyclone type	Tank capacity: 150 liters
Secondary collector: 4 filters	
Suction Capacity: 35m <sup>3</sup> /min (882 CFM)	

**Note:** the FOX series of equipment is equipped with a Dust Collector and/or Water Cleaning system to meet the requirements of the NRM Mining Regulatory Standards, which deals with Decree-Law No. 227 of 02/28/1967. In detail NRM 09 - Items 9.1.3.1 and 9.1.3.2

# DIMENSIONS, RANGE AND DRILLING ANGLES



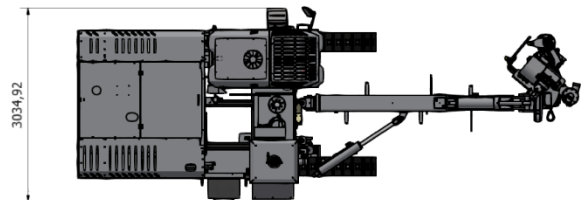
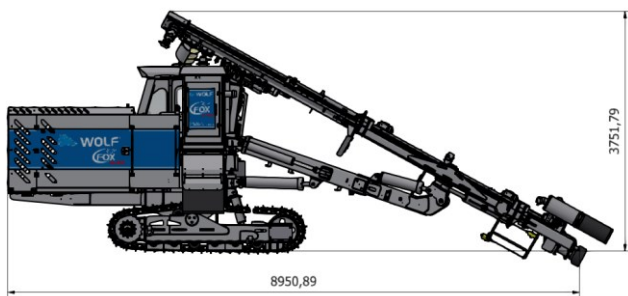
## AVAILABLE ITEMS

Cabin with Air Conditioning	STANDARD	Hydraulic Centralizer	STANDARD
Cab with ROPS / FOPS Air Conditioning	OPTIONAL	Hose tensioner	STANDARD
Interactive Digital Display in Cab	STANDARD	Safety Sound Kit (Horn and Reverse Siren)	STANDARD
Electronic Maintenance Alert	STANDARD	Night lights	STANDARD
Digital Angle Indicator	STANDARD	Cleaning with water (Water tank)	OPTIONAL
Anti-jamming	STANDARD	Nitrogen Charger	OPTIONAL
Automatic Rod Changer	STANDARD	Pneumatic Grinder and Extra Mirror	OPTIONAL
Rod greaser	STANDARD	Emergency Button on Boom	OPTIONAL
Grease Pump	STANDARD	Depth Gauge	OPTIONAL

*\*Verificar tabela de preços*

## DIMENSIONS FOR TRANSPORT

Length	Width	Height	Weight
8.951 mm	3.035 mm	3.752 mm	13.000kg





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