

# Engineering Foundation Drilling Machine

This drilling machine is designed for foundation engineering applications. It is suitable for drilling medium and mini-type grouting holes in structures such as buildings, skyscrapers, dams, and harbors, and can also be used for drilling water wells.



## Overview

### Engineering Foundation Drilling Machine

This robust drilling machine is engineered for versatile foundation and geotechnical drilling applications. Featuring a high-torque top-drive head and dual-motor power configuration, it provides precise control over drilling speeds and force. Its compact design facilitates efficient site setup and transportation, making it an ideal choice for varied construction and soil investigation tasks.

## Drilling Performance

### Maximum Torque

**4500 N.m**  
Max Torque

Hole Diameter	600 mm
Drilling Capacity	30 m

## Top-Drive Head

### Forward Speeds

- 40
- 118
- 218
- 300

Reverse Speed	62 r/min
Max Pull Force	58.86 KN
Max Push Force	44.15 KN
Stroke Length	700 mm

## Mechanical Systems

Hoist Lift Capacity (Single Rope)	30 KN
Retracting Stroke	580 mm
Oil Pump	CB32 oil gear pump

## Power Unit

Rotary Motor	Y180L-4 22KW
Hoist Motor	Y160M-4 11KW