



INTRODUCTION

>>AK180 crawler anchoring drilling rig, horizontal dust removal and slope protection drilling rig is a high-efficiency and multi-functional drilling rig independently developed by the company. The unique design structure is an ideal drilling rig for the construction of soil layers, sand and pebbles and weathered rock layers. The drilling rig has reliable quality and high cost performance, and is widely used in engineering construction such as drilling anchor cables and bolt holes.

>>AK180 adopts diesel engine and motor dual power; unique motor hydraulic rotary power head, adopts motor chain propulsion mechanism, good hydraulic control performance, low failure rate and easy maintenance.

>>AK180 realizes stepless speed regulation through rotary propulsion, suitable for soil layer, sand and pebble layer, weathered rock layer operation, suitable for down-the-hole rock drilling, concentric pipe follow, eccentric follow pipe, auger drilling and other anchoring processes

>>AK180 adopts multiple drilling angles, which is suitable for corner drilling of complex sites such as foundation pits and slopes.

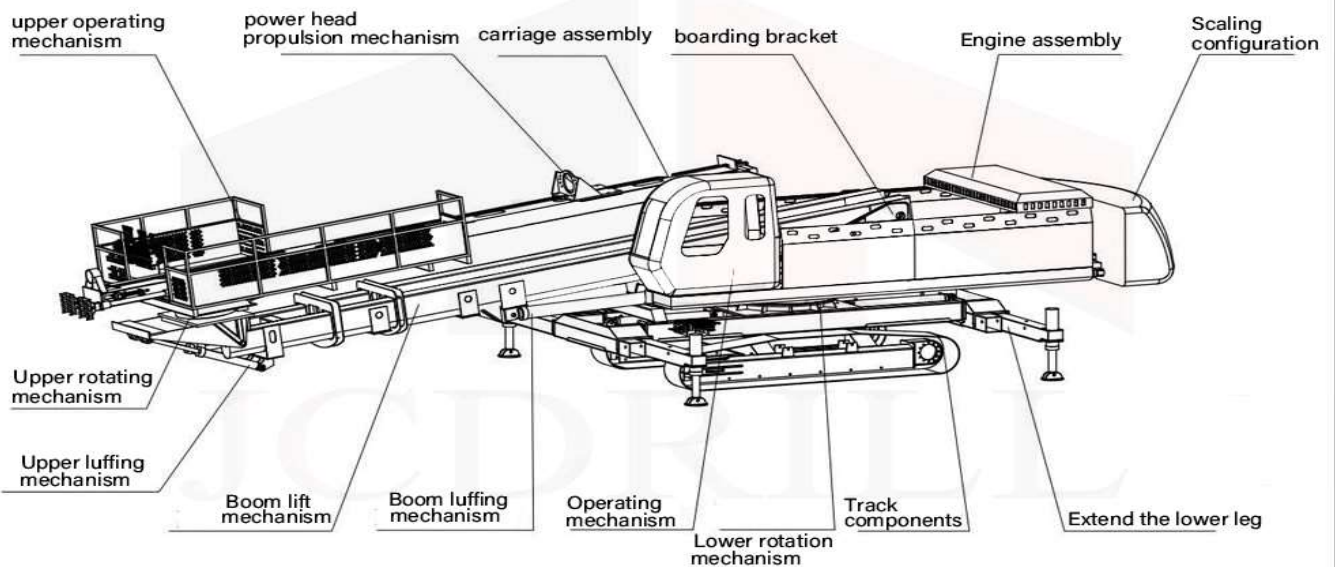
>>The full hydraulic telescopic boom can reach 30m, which can be operated by two people, saving manpower and simple process.

>>Crawler-type walking, suitable for various working environments, the power head is driven by dual hydraulic motors, with large torque and fast hole formation.

>>It can be steered arbitrarily in 360°, and the punching angle can be 90° vertical to the ground to 65° elevation. Welcome to customize and process



JCDRILL STRUCTURE DIAGRAM OF ANCHORING DRILLING RIG



Work Platform

The working platform that can be tilted and rotated at multiple angles can cope with various complex ground conditions and meet the construction requirements of various complex angles. Mature and stable dry dust collector, automatic back-flushing filter element can improve the dust removal effect and effectively improve the working environment.

Specification

Item	Unit	AK180
Maximum Lift Height	m	18
Engine	KW	113(Direct injection engine)
Motor	KW	55
Control Method		Hydraulic Direct Control Two-way
Dust Removal Method		Dry Dust Removal 12 Filter Elements
Control Valve		Multi-way Valve
Rotary Motor		DANFOSS Cycloid Motor
Travel Motor		With Brake Plunger
Rotary Power Head		Dual Motor
Maximum Swing Torque	N.M	5600
Rotation Speed		82-160Rpm Three-speed Transmission
Cylinder		CYRT Standard
Swivel Support		GB
Way Of Advancement		Motor + Double Chain
Propulsion Motor		DANFOSS With Brake
Propulsion Beam Structure		GB
Maximum Hole Diameter	mm	90-219
Maximum Drilling Depth	m	0-70
Oil Pump		Lron Shell High Pressure
Telescopic Boom Material		Bending And Welding Of Fine-grained High-strength Steel Plates
Telescopic Boom		Oval Arms, Three-section Telescopic
Upper Body Rotation		360° (Dual Brake)
Hydraulic Support		Lower Frame Support, High-strength Hydraulic Support, Leveling
Chassis		Reinforced Excavator Chassis, Maintenance-free With Four Wheels And One Belt
Heat Sink		Composite Radiator + Independent Oil Diffuser
Working Platform Rotation		Worm Gear National Standard
Safety Equipment		Emergency Stop Switch, Large Flow Proportional Balance Valve Group, Two-way Hydraulic Lock, Hydraulic Explosion-Proof Device, Etc.
Hydraulic System		Open close combination system
Luffing mechanism		Combined open hydraulic circuit oil storage dual cylinder amplitude control
Travel Motor		TM30
Dimensions	mm	12400*2400*2800
Total Weight	T	27