

## HWY160 PNEUMATIC DRILL RIG

The HWY160 down-the-hole drilling rig is an efficient and multi-functional drilling equipment. The design of the whole machine is compact and does not occupy an area. It is 160 meters deep and has a drilling speed of 30 meters per hour. It is mainly suitable for drilling water wells, agricultural irrigation wells and ground source heat pump wells and well holes for other purposes, like water intake projects in mountainous areas and rock formations. The drilling rig can carry out drilling work in different formations, and the maximum drilling diameter can reach 203mm.

The drilling rig adopts new hydraulic technology, supporting large-torque hydraulic motor rotation and large-diameter hydraulic cylinder propulsion. The engine uses a famous factory high-power engine to provide sufficient power for the drilling rig's hydraulic system. Two-stage air filter and compressed air intake design extend the service life of diesel engines. The unique pump unit design is convenient for maintenance and reduces maintenance costs. The vehicle control joystick and instrument integrated platform are simple to operate and reduce labor costs. This series of drilling rigs adopts an all-terrain crawler chassis, which increases the stability of the whole machine when working, and at the same time increases the scope of application of the drilling rig. The independent modular design allows the drilling rig to be easily mounted on a truck, increasing its mobility. Two speeds of rotation and propulsion can meet different drilling needs in soil and rock formations. The combined positioner can be adjusted and replaced according to different types of drill rods and impactors to ensure accurate and reliable positioning and centering. The hoisting mechanism facilitates the hoisting of drill pipes and impactors and reduces labor intensity.



### Main technical parameters

Model	HWY160	Maximum lifting force(ton)	10-15
Drilling diameter(mm)	Φ130-Φ203	Maximum rod length(m)	2.4
Drilling depth(m)	150	Air consumption(m <sup>3</sup> /min)	10-25
Walking speed(Km/h)	2.5	Working air pressure(mpa)	1.2-3.0
Gradeability(°)	30	Drill pipe diameter(mm)	Φ76-Φ89
Rotation speed(r/min)	65-100	Dimensions (L * W * H)(mm)	2000*1200*1750
Swing torque(N.m)	4500	Machine weight(t)	2.6

