

# HW (160S/190S/230S) TRICYCLE TRUCK MOUNTED DRILLING RIG

Tricycle truck mounted drilling rig is a vehicle rig designed to meet the requirements of high-speed, high-efficiency and strong maneuverability in field drilling. The machine has a reasonable structure, simple operation, easy maintenance and transportation, and does not need a crane to lift after being transported to the construction site. It is suitable for geological survey exploration, road and high-rise building foundation exploration, as well as various concrete upper structure inspection holes, river dams, subgrade grouting holes drilling and direct grouting, civil water wells and ground temperature central air conditioning.



## MAIN FEATURE

- 01 The truck mounted drilling rig is a hydraulic vertical shaft rotary drilling rig, and the optional models are HW-160S/190S/230S.
- 02 The chassis of the tricycle adopts the "WuZheng" brand of tricycle 7YP-1475D1. The transmission system of the drilling rig, winches, mud pumps and other important accessories are installed on this chassis.
- 03 Equipped with BW-160 or BW-250 mud pump, high pressure, maximum flow, ensure drilling depth and bore diameter
- 04 Drilling rig self-equipped with mobile devices, drilling rig can be achieved before and after the host itself to facilitate the operation of the wellhead
- 05 Drilling tower is hydraulic landing manual folding tower, easy to operate, safe and convenient.



## Main technical parameters

	Model	HW-160S	HW-190S	HW-230S	
Machine parameters	Drilling depth(m)	160	190	230	
	Open hole dia.(soil /rock) (mm)	500/220	500/220	500/273	
	End hole Dia. (mm)	75	75	75	
	Drill rod dia. (mm)	42 50 60	42 50 60	42 50 60	
	Drill angle (°)	90-75	90-75	90-75	
	Engine power (kw)	13.2	13.2	15	
	Weight (kg)	2750	2800	3000	
	Dimension(L*W*H)(mm)	4000*1700*2300	4000*1700*2300	4000*1700*2300	
	Spindle	Spindle speed (r/min)	142/285/570	130/300/480/730/830/1045	64/128/287/557
		Spindle stroke (mm)	450	450	450
Tricycle chassis	Model of tricycle chassis	wuzheng7YP-1475D1	wuzheng7YP-1475D1	wuzheng7YP-1475D1	
	Emission standard	GB19756-2005 ( II )	GB19756-2005 ( II )	GB19756-2005 ( II )	
	Rated power (kw)	18.3	18.3	18.3	
	Rated speed (r/min)	2200	2200	2200	
Drill mast	Rated load (t)	18	18	18	
	Effective height (m)	6.5	6.5	6.5	
Mud pump	Flow (L/min)	160	160	160	
	Max. pressure (Mpa)	1.3	1.3	1.3	
	Reciprocal (times /min)	165	165	165	
	Inlet hose dia. (mm)	51	51	51	
	Outlet hose dia. (mm)	32	32	32	