

**GQ-15A Engineering Drilling Rig**
**1. General**

GQ-15A Drill is a new type of product designed by our factory. The drill is in the aligned hydraulic feeding system, so it can drill in the ways by pressuring and decompressing. It can even load and unload drill tools, raise and pull down drill frame quickly and conveniently thanks to the devices driven by cylinders. The drill adopts direct and reverse circulation drilling technology, and drill in quaternary period gravel terrain and hard terrain. This type of drill can be mainly in application of foundation piles construction in large diameter for pile holes drilling of tall building, bridge, etc. and it can be used for water well for industry and agricultural irrigation.


**2. Specifications**

Drilling Capacity	Drilling diameter	1.5 m(4.92 feet)
	Drilling depth	100 m(328feet)
Speed	Positive	18;33;48;70 r/min
	Negative	15 r/min
Max. Torque		15 KN·m (11055 lbf·ft)
Max. Pressuring Force		60 kN (13488 lbf)
Max. Lifting Force		80 kN (17984 lbf)
Feeding Stroke		900 mm (35.4 inch)
Main Hoist Capacity (single rope)		30 kN(6744 lbf)
Assistant Hoist Capacity (single rope)		20 kN(4496 lbf)
Effective Height of Drill Frame		8.5 m(27.9 feet)
Specified Load of Drill Frame		185 kN(41588 lbf)
Power		30 kw (40HP)
Dimensions (L×W×H)		5176×2390×8730 (mm) (204x94x344 inch)
Weight (without power )		7500kg (16528 lb)

**3. Auxiliary Apparatus:**

- (1). SF-146 Water swivel
- (2). CF-146 Bushing retainer
- (3). 6BS Sludger unit
- (4). ZF-148 Kelly stem
- SZZ-110 Kelly stem
- (5). H3-18t Swing pulley

(6). TF-146(168) Elevator