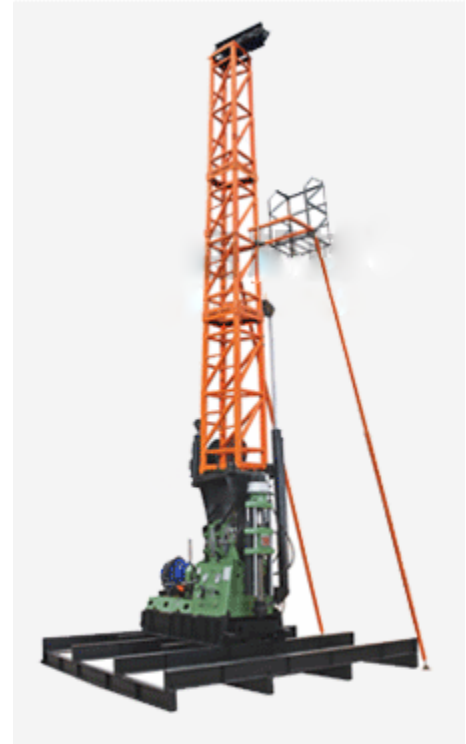


HXY-4T CORE DRILLING RIG

I . Application Scope

The HXY-4T core drill rig, integrated rig with tower into one unit, consists of XY-4 drill rig and mast-type drill tower, with the function of hydraulic lifting and lowering of tower. The rig is simple in structure, reasonable in design, light in weight, easy to operate; it is in a wide range adjusting angle. It is especially suitable for drilling of hole with great slope angle. The tower body of HXY-4T Drill Rig is used as lifting drill tools for drilling vertical as well as inclined holes. The range of adjusting an angel (in clock-wise direction) for drilling inclined holes is 0°-90°.



HXY-4T

II . Main Sizes

| | |
|-----------------------------|------------------------|
| The Nominal Height of Tower | 10 m (32.8 feet) |
| The Nominal Area of Base | 4×4 m (13.1×13.1 feet) |
| The Number of Pulleys | 3 or 5 pcs |
| Max. Load of Mast | 100 KN(22480 lbf) |
| The Load of Movable Work | 80Kg (176.4 lb) |

| | |
|--------------------------------|---------|
| Platform | |
| Adjusted Angles of Drill Tower | 45°—90° |

III. Main Components

The drill tower consists of base, tower body, crown block (pulley mechanism), platform and auxiliary support.

IV. Main Characteristics

The drill tower is pyramid-mast type. Being light in overall weight, single component being light and limited in disassembly quantity, the tower is convenient for transportation and installation. The tower has its own crown block convenient for ground installation. When the rig is moved back during operation, the tower can be inclined to make up the moved-back distance so as to guarantee the central line between the centers of the hole and pulley. The tower can be adjusted in clock-wise direction for drilling inclined holes. The adjustment is convenient for making and wide in adjusting range. It is suitable for drilling large-angle hole.

V. Specifications

| | |
|----------------|-----------------------------|
| Drilling Depth | 700—1000 m (2296-3280 feet) |
| Max. Torque | 2.64 KN·m (1946 lbf·ft) |
| Spindle Stroke | 600 mm (23.6 inch) |
| I.D of Spindle | 68 mm (2.68 inch) |

| | |
|----------------------------------|-------------------|
| Max. Lifting Capacity of Spindle | 80 KN (17984 lbf) |
| Max. Pressure Force of Spindle | 60 KN (13488 lbf) |
| Max. Hoisting Force | 30 KN (6744 lbf) |
| Engine Power | 30 KW (40HP) |