



## ***Slope Anchor Drilling Rig***

### **Special Features**

BR series Anchor Engineering Drilling rig is mainly for the anchor engineering of coast and dangerous rock/cliff mass for geological disaster prevention activity, and the anchoring engineering of high-edge slope or dangerous rock body etc to control displacement of buildings, and also for supporting of deep-foundation pit and groundwork reinforcing engineering in urban construction site, for blowing up engineering or blowing up hole etc. Alternating of the drilling rig can also be applied for high-pressure revolving-spraying pole for construction engineering, for the support hole of tunnel tube shed, or for convenient constructing of facing upward hole after alternating of its installing position for sliding frame.

BR series drilling rig possesses the characteristics of stable performance, high working efficiency, multiply usage, as well as the capability of drilling sophisticated stratum and handling accidents etc. This drilling rig, deployed by common alloy drill tools or other drill tools, can perform revolving-and-drilling.

In the rigid rock stratum, the drilling rig deploys the spheroid drill bit to perform striking and revolving and drilling to have high-speed-bored hole; if deployed with air-compressor and DTH, and accepted the cannula-followed drill tools, the drilling rig can drill the hole with cannula together in those unstable stratum such as conglomerate stratum.



### **Specifications**

Model	BR50A	BR60A	BR80A	BR100A	BR120A
Hole diameter(mm)	85-160	90-185	100-210	120-250	150-250
Hole depth(m)	60-40	80-50	100-60	120-80	140-100
Rod diameter(mm)	73,89	73,89,102	89,102,114	89,102,114	89,102,114
Hole angle (° )	10-90	10-90	10-90	10-90	10-90
Speed of rotary head(rpm)	10-130	12-125	12-105	10-100	12-90
Torque of rotary head(kN·m)	2000	3000	4200	5500	7500
Stroke of rotary head(mm)	1800	1800	1800	1800	1800
Stroke of slide frame mm	600	600	600	600	600
Lifting force kN	65	65	80	80	80
Pulling force kN	33	33	40	40	40
Input power(kW)	18.5+1.5	22+1.5	30+1.5	37+1.5	45+1.5



## Multifunctional Drilling Rig

### Special Features

BR series multifunctional drilling rig is a high efficiency drilling rig for anchoring, jet-grouting and dewatering. This series drilling rig is all-hydraulic operated drill and driven by diesel engine accordance the requirement of subway, high-rise building, airport and other deep foundation pit

- Anchor drilling for deep foundation
- Jet-grouting drilling for soft foundation
- GSHP drilling for special GSHP hole
- Full-hydraulic exploration
- Mud direct circulating drill
- Multi-liquid RCE
- DTH hammer impact drill by air



### Specifications

Model	BR-120E	BR-160E	120E-200E	BR-240E
Hole diameter(mm)	150-250	150-250	150-250	150-250
Hole depth(m)	100-140	140-180	180-220	220-260
Rod diameter(mm)	89,102,114	89,102,114	89,102,114	89,102,114
Hole angle(° )	0-90	0-90	0-90	0-90
Speed of rotary head(rpm)	0-50,0-100	0-85,0-170	0-70, 0-140	0-50, 0-100
Torque of rotary head(kN m)	6500	7000	10000	10000
Stroke of rotary head(mm)	3600	3600	3600	3600
Stroke of slide frame mm	1500	1500	1500	1500
Lifting force kN	78	78	78	78
Pulling force kN	40	40	40	40
Diesel power(kW)	90	110	130	130
Dimension(mm)	5700 × 2100 × 1950	5700 × 2100 × 1950	5700 × 2100 × 1950	5700 × 2100 × 1950
Weight(Kg)	7100	7500	7800	8000