

XL-50 Full Hydraulic Crawler Jet Grouting Anchor Drilling Rig



XL-50 jet grouting drilling rig mainly can be applied on ground treatment and stabilization of railway, highway, bridge, dam, industrial and civil buildings with jet grouting technique.

Application

XL-50 Jet Grouting Drilling Rig is applied in ground treatment and stabilization with jet grouting technique.

Features

- 1.Top-drive head driven by hydraulic, stepless speed regulation, high efficiency and low labor intensity
- 2.Variable hydraulic system with load feedback, low energy consumption
- 3.First use special valve fixed position by friction, suitable for jet grouting technique
- 4.Top-drive head has wide range of rotary speed, meet varying layer and drilling technology
- 5.With track chassis, easy and speedy to move
- 6.With rotary support
- 7.Longer stroke of top-drive head, reduce auxiliary operation time
- 8.Compact structure, centralized operation, easy and safety
- 9.With display unit for verticality of derrick, rotating of top-drive head and lift speed

Technical data

Drilling depth(m)	50m		
Rod dia.(mm)	φ42mm	φ50mm	
Drilling angle range	left and right ±3°	slope forward 10°	slope back 90°
Max torque (N.m)	2000N.M		
Moving speed	1.5km/h		
Climbing capacity	20°		
Rotation speed of top-drive head (r/min)	high 0-240r/min;low 0-80r/min		
Stroke of top-drive head (mm)	3500mm		
Rated pull force of top-drive head(kN)	30kN		
Rated thrust force of top-drive head(kN)	12kN		
Fast lifting and thrust speed of top-drive head(jetting,m/min)	0.06-0.9/1.8m/min		
Lifting and dropping speed of top-drive head(min)	0-22/0-28m/min		
Main pump pressure(MPa)	20MPa		
Auxiliary pump pressure (MPa)	20MPa		
Power unit	22kW		
Overall dimensions (L*W*H,mm)	working:2600*1800*4600		
	Moving:4600*1800*1780		
Weight (kg)	2500kg		

