

SR175

2022 ROTARY DRILLING RIG

- Max. drilling diameter 1.5m
- Max. drilling depth 55m
- Rated output torque 175kN·m
- Engine power 147kW/2100rpm



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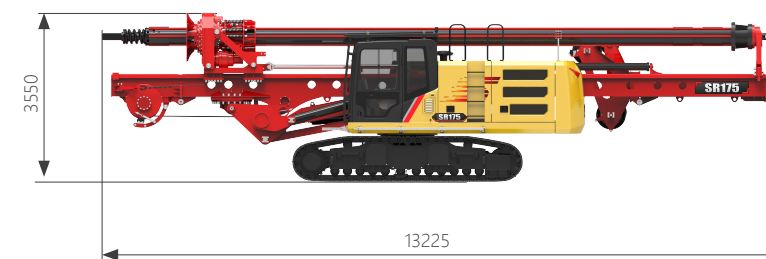


Main performances	Unit	Parameter	Remark
Pile			
Max. drilling diameter	mm	1500	
Max. drilling depth	m	55/44	①
Rotary drive			
Rated output torque	kN·m	175	
Rotation speed	rpm	5~36	
Crowd system			
Crowd force	kN	160	
Line pull	kN	180	
Stroke	mm	4200	
Main winch			
Lifting capacity	kN	160	
Wire rope diameter	mm	26	
Max. line speed	m/min	80	
Auxiliary winch			
Lifting capacity	kN	60	
Wire rope diameter	mm	16	
Max. line speed	m/min	60	
Mast inclination			
Forward/backward	°	5/90	
Lateral	°	±3	
Main Chassis			
Base engine	/	D06FRC-TAA	Mitsubishi
Engine power	kW/rpm	147/2100	
Emission regulation	/	COMIII	
Engine displacement	L	6.373	
Extension width	mm	4100	
Track shoe width	mm	700	
Swing radius	mm	3670	
Overall machine			
Overall height	mm	18965	
Operating weight	t	51	
Transport width	mm	3100	
Transport height	mm	3550	
Transport length	mm	13225	

①: friction kelly depth / interlocking kelly depth

	Kelly bar	Weight(Kg)	Depth(m)	Option
Inter-locking kelly	Φ377×4×11	6100	40	
	Φ377×4×12	6600	44	
Friction kelly	Φ377×4×12	6100	44	
	Φ377×5×12	5800	55	Standard

Note:Drilling depth with bucket 1500 mm long



Easy to transport: The overall height (with Kelly bar) during transport is only 3.55m, which is limit-free when passing through bridge holes and roads with limited height.

Efficient construction: It can realize fast drilling in various soil and strongly weathered rock layers; equipped with rotary drive spin-off technology, the working efficiency is higher than similar models. The powerful crawler motors ensure the strong traveling ability on various complex terrains and sloped areas.

Economy and energy saving: Optimized hydraulic system can reduce unnecessary power loss, which is more economical and fuel-efficient.

High reliability: With strong resistance to torsion and fatigue, the mast structure has a longer service life. The large rotary parking torque ensures the great locking ability.

Intelligent upgrade: 10-inch HD touch screen, fast response time and more convenient for operation. With a smartphone APP EVI, it can realize remote monitoring. 24-hour weather warning function for severe weather.

