



品质改变世界
Quality Changes the World

SR285



SANY
品质改变世界



SR285

2022 ROTARY DRILLING RIG



- Max. drilling diameter 2.3m
- Max. drilling depth 94m
- Rated output torque 285kN·m
- Engine power 300kW/1800rpm



Follow us on Wechat and contact us
Support hotline. 4006 09 8318
Email. crd@sany.com.cn

Main performances	Unit	Parameter	Remark
Pile			
Max. drilling diameter	mm	2300	
Max. drilling depth	m	94/61	①
Rotary drive			
Rated output torque	kN·m	285	
Rotation speed	rpm	5~24	
Crowd system			
Crowd force	kN	260	
Line pull	kN	335	
Stroke	mm	6000	
Main winch			
Lifting capacity	kN	330	
Wire rope diameter	mm	36	
Max. line speed	m/min	72	
Auxiliary winch			
Lifting capacity	kN	90	
Wire rope diameter	mm	20	
Max. line speed	m/min	70	
Mast inclination			
Forward/backward	°	5/90	
Lateral	°	±4	
Main Chassis			
Base engine	/	6WG1	ISUZU
Engine power	kW/rpm	300/1800	
Exhaust emission	/	China Stage III	
Engine displacement	L	15.68	
Extension width	mm	4760	
Track shoe width	mm	800	
Swing radius	mm	4530	
Overall machine			
Overall height	mm	25425	
Operating weight	t	100	
Transport width	mm	3490	
Transport height	mm	3690	
Transport length	mm	18125	

①: Friction kelly / inter-locking kelly

Kelly bar	Weight(Kg)	Depth(m)	Option
Inter-locking	Φ508×3×17 13600	46	
kelly	Φ508×4×16 13400	57	
	Φ508×4×17 14100	61	Standard
Friction kelly	Φ508×6×16 15000	88	
	Φ508×6×17 15800	94	

Note: Drilling depth with bucket 1000 mm long



SUITABLE FOR BOTH SOIL AND ROCK, INTELLIGENT AND EFFICIENT

SR285 is widely used in medium-sized construction of housing, bridge, municipal projects and stadium. It has great ability on drilling soil, pebble, rock and other mixed layers.

High efficiency: the best-selling model in medium-sized rotary drilling rigs. Equipped with the 6th generation Kelly bar with integral locking device, upgraded material and reinforced ring, the drilling efficiency increased by 10%.

Economy: adopt power optimized control technology, adjust power distribution in real time, smooth compound action and fast speed; high utilization and low consumption.

Step winch: single layer wire rope winding on main winch drum, no extrusion wear between the ropes, and increase service life by 35%.

High reliability: adopt anti-vibration technology in rock drilling construction, fatigue resistance and long service life. Motor and reducer with high configuration and large reserve factor can meet severe working conditions.

Intelligent control: HD touch screen, 3s refresh rate, smooth screen. EVI mobile APP can realize remote monitoring in real time, one-click order and group management.

Convenient maintenance: the driving key of rotary drive set on the upper side, facilitates maintenance and replacement; connect a hose to drain port on rotary drive reducer for easy maintenance; double flaps provide large maintenance space.

Safety: 360° full-view monitoring, sound and light warning function.

