



SANY  
我们的深度决定世界的高度  
Our drilling depth determines the height of the world



W10

# SR285R

2020 Rotary Drilling Rig

Rock drilling expert  
High efficiency



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

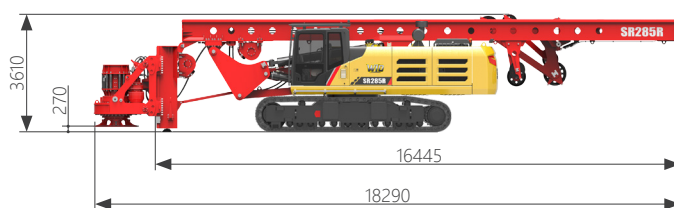
- Max. drilling diameter 2.2/1.9m
- Max. drilling depth 94/61m
- Rated output torque 285kN·m
- Engine power 300kW/1800rpm

Main performances	Unit	Parameter	Remark
<b>Pile</b>			
Max. drilling diameter	mm	2200/1900	①
Max. drilling depth	m	94/61	②
<b>Rotary drive</b>			
Rated output torque	kN · m	285	
Rotation Speed	rpm	5~24	
<b>Crowd system</b>			
Crowd force	kN	260	
Line pull	kN	355	
Stroke	mm	17100	
<b>Main winch</b>			
Lifting capacity	kN	330	
Wire rope diameter	mm	36	
Max. line speed	m/min	70	
<b>Auxiliary winch</b>			
Lifting capacity	kN	90	
Wire rope diameter	mm	20	
Max. line speed	m/min	70	
<b>Mast inclination</b>			
Forward/backward	°	5/90	
Lateral	°	±4	
<b>Main Chassis</b>			
Base engine	/	ISUZU 6WG1	
Engine power	kW/rpm	300/1800	
Emission regulation	/	COM III /R96	
Engine displacement	L	15.68	
Chassis length	mm	7475	
Extension width	mm	4760	
Track shoe width	mm	800	
Swing radius	mm	4530	
<b>Overall machine</b>			
Overall height	mm	25410	
Operating weight	t	105	
Transport width	mm	3475	
Transport height	mm	3610	

①: uncased/cased

②: friction kelly depth / interlocking kelly depth

Kelly bar	Weight(Kg)	Depth(m)	Option
Inter-locking kelly	Φ508 × 3 × 15	12400	Standard
	Φ508 × 4 × 16	13100	
	Φ508 × 4 × 17	13900	
Friction kelly	Φ508 × 6 × 16	15300	Standard
	Φ508 × 6 × 17	15900	



**High efficiency:** Large core parameters such as high torque and crowd force; fast line speed of main rope to ensure high drilling efficiency in hard soil layer; it is suitable for overpass, high-speed rail, large buildings and other large hole foundation fields.

**Full stroke crowd:** Adopt winch crowd system with 17-meter super long stroke, fast crowding, rotary drive display function, suitable for all casing construction in beach, pebble and backfill formation.

**Economy and energy saving:** Power optimization control technology is adopted to distribute power in real time with smooth and fast response of composite action; Moreover, it has high fuel efficiency and low comprehensive fuel consumption.

**Step drum:** Adopt step drum structure with single layer to realize no crushing, no wear, and increase the service life of wire rope by 35%.

**High reliability:** 6th-generation new material 445 Kelly bar, integrated locking device, drilling capacity increased by 25%.

**Intelligent upgrade:** HD touch screen, 3ms refresh frequency, smooth animation display.

**Convenient maintenance:** High-mounted rotary drive key bar, the exposed oil outlet hose of reducer, easy to service; double access doors provide large maintenance space.

