



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



# SR235

2020 Rotary Drilling Rig

Small hole expert  
in civil engineering



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

- Max. drilling diameter 2.0m
- Max. drilling depth 68/54m
- Rated output torque 235kN·m
- Engine power 257kW/2000rpm



Main performances	Unit	Parameter	Remark
<b>Pile</b>			
Max. drilling diameter	mm	2000	
Max. drilling depth	m	68/54	①
<b>Rotary drive</b>			
Rated output torque	kN·m	235	
Rotation speed	rpm	5~32	
<b>Crowd system</b>			
Crowd force	kN	210	
Line pull	kN	270	
Stroke	mm	5000	
<b>Main winch</b>			
Lifting capacity	kN	235	
Wire rope diameter	mm	32	
Max. line speed	m/min	70	
<b>Auxiliary winch</b>			
Lifting capacity	kN	80	
Wire rope diameter	mm	20	
Max. line speed	m/min	70	
<b>Mast inclination</b>			
Forward/backward	°	5/90	
Lateral	°	±3	
<b>Main Chassis</b>			
Base engine	/	6UZ1	ISUZU
Engine power	kW/rpm	257/2000	
Emission regulation	/	COMIII	
Engine displacement	L	9.84	
Chassis length	mm	7265	
Extension width	mm	4500	
Track shoe width	mm	800	
Swing radius	mm	4360	
<b>Overall machine</b>			
Overall height	mm	22870	
Operating weight	t	81	
Transport width	mm	3540	
Transport height	mm	3660	

①: friction kelly depth / interlocking kelly depth

Kelly bar	Weight(Kg)	Depth(m)	Option
Inter-locking kelly	Φ445×3×15	10300	Standard
	Φ445×4×14	10300	
	Φ445×4×15	11000	
Friction kelly	Φ445×5×14	10200	Standard
	Φ445×5×15	10900	

**Efficient construction:** EP control is upgraded again, the drilling capacity of rotary drive is increased by 15%, the spin-off speed is increased to 32rpm, and the earth unloading capacity is doubled; The hoisting speed of main winch is accelerated, the hoisting force is increased by 17%, so as to cope with extreme engineering.

**Strong power:** imported large displacement EFI engine, equipped with high-power main pump, adopting power optimization control technology and real-time power distribution, the machine has fast response speed, high fuel efficiency, and a comprehensive energy saving of 10% - 15%.

**Step drum:** single layer winding of wire rope on inter-locking kelly bar to meet 54 m drilling depth; The pre tension technology of wire rope makes the wire rope on the main winch always maintain certain tension, avoiding disordering and twisting, and improves the service life by 30%.

**High reliability:** Strong and durable mast, luffing and other high standard design can work 20000 hours without cracking. The reducer has large torque, high configuration, high efficiency, wide working range and can work faster and safer.

**Intelligent upgrade:** The machine has weather warning function, and can provide 24-hour bad weather emergency warning. It is also equipped with cluster management system, which provides equipment, engineering, human resources and report integrated management. The newly added function of pressure table is a Sany patented technology, which can accurately display the locking and unlocking process, reduce wear and eliminate kelly bar accidents.

**Good convenience:** the rotary drive key bar is set on the top, which is convenient for observation and replacement; The wire rope of the main winch is fixed with wedges, which is convenient for assembly and disassembly. Special lubrication point is led out by lubricating rubber tube, which is easy to grease.

