

H10

SR445R

2020 Rotary Drilling Rig

Expert in hard rock and
deep hole & Multifunctional



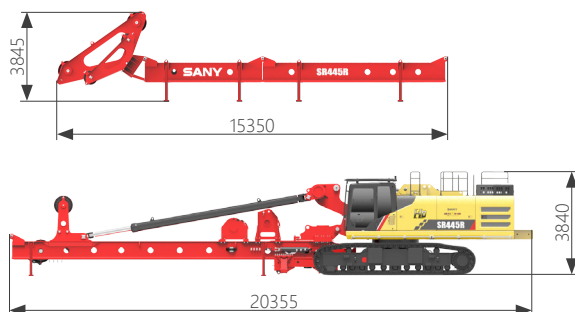
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- Max. drilling diameter 3.0m
- Max. drilling depth 116/95m
- Rated output torque 445kN·m
- Engine power 377kW/1800rpm

Main performances	Unit	Parameter	Remark
Pile			
Max. drilling diameter	mm	3000	
Max. drilling depth	m	116/95	①
Rotary drive			
Rated output torque	kN · m	445	
Rotation Speed	rpm	4~22	
Crowd system			
Crowd force	kN	400	
Line pull	kN	400	
Stroke	mm	10000/21000	
Main winch			
Lifting capacity	kN	560	
Wire rope diameter	mm	40	
Max. line speed	m/min	60	
Auxiliary winch			
Lifting capacity	kN	90	
Wire rope diameter	mm	20	
Max. line speed	m/min	70	
Mast inclination			
Forward/backward	°	90/15	
Lateral	°	±3	
Main Chassis			
Base engine	/	ISUZU 6WG1	
Engine power	kW/rpm	377/1800	
Emission regulation	/	COM III	
Engine displacement	L	15.68	
Chassis length	mm	8040	
Extension width	mm	4900	
Track shoe width	mm	800	
Swing radius	mm	4800	
Overall machine			
Overall height	mm	30730	
Operating weight	t	162	
Transport width	mm	3600	
Transport height	mm	3810	

①: friction kelly depth / interlocking kelly depth

Kelly bar	Weight(Kg)	Depth(m)	Option
Inter-locking kelly	Φ580×4×20	21100	Standard
	Φ580×4×21	22100	
	Φ580×5×21	25300	
Friction kelly	Φ580×6×20	23000	
	Φ580×6×21	23600	



Heavy load construction: The classic big triangle structure drill rig has a well-designed center of gravity and high overall strength. New sixth generation 580 Kelly bar, whole pressurized table, material, reinforcing ring upgrade. The drilling diameter is 3 meters, and the pile hole depth is 116 meters.

Full/half crowd stroke: 10 meters conventional and 21 meters ultra-long crowd stroke can be switched freely, which can be used for breezy hard rock drilling construction and long casing construction of loose geology such as beach, backfill and pebble.

Economy and energy saving: Adopt power optimization control technology to realize power distribution in real time, excellent compound action response time; high fuel efficiency and low comprehensive fuel consumption, fuel consumption reduced by 10%~15%.

High reliability: Large professional chassis, thick steel plate welding, large width of development, stable and reliable. Rock-type structure, anti-vibration, anti-damage, anti-crack. Pure single-layer large diameter drum, no extrusion between the rope, no wear and tear, longer service life.

Intelligent upgrade:

1) HD touch screen, 3ms refresh frequency, no visual delay.

2) The display function of the locking device can accurately display and guide the locking and unlocking of the Kelly bar locking device, which reduces the wear and eliminates the accident. SANY owns the patent of this technology.

Good maintenance convenience: Standard automatic centralized lubrication system, fixed-point and quantitative maintenance, saving labor and reducing cost. Cylinder pressure, pressure more stable, easy to operate. Combined counterweight, more convenient for disassembly and transfer.

Safety: 360° full-field monitoring, sound-light alarm system, fault diagnosis system, full guardrail and other security guarantees.

