

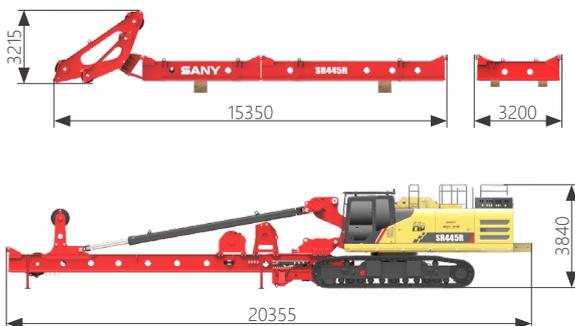


Main performances	Unit	Parameter	Remark
<b>Pile</b>			
Max. drilling diameter	mm	3000	
Max. drilling depth	m	116/95	①
<b>Rotary drive</b>			
Rated output torque	kN·m	445	
Rotation speed	rpm	4~22	
<b>Crowd system</b>			
Crowd force	kN	400	
Line pull	kN	400	
Stroke	mm	10000/21000	
<b>Main winch</b>			
Lifting capacity	kN	560	
Wire rope diameter	mm	40	
Max. line speed	m/min	60	
<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	°	90/15	
Lateral	°	±3	
<b>Main Chassis</b>			
Base engine	/	6WG1	ISUZU
Engine power	kW/rpm	377/1800	
Exhaust emission	/	China Stage III	
Engine displacement	L	15.68	
Width retracted/extended	mm	3600-4900	
Track shoe width	mm	800	
Swing radius	mm	4800	
<b>Overall machine</b>			
Overall height	mm	30730	
Operating weight	t	162	
Transport width	mm	3600	
Transport height	mm	3600	
Transport length	mm	20355	

①: Friction kelly / inter-locking kelly

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	Standard
	Φ580×6×21	23600	

Note: Drilling depth with bucket 1500 mm long



## FULL CROWD STROKE, EXPERT AT BOTH SOFT AND HARD LAYERS

SR445R is a classic piling rig with triangular structure. Featured with high stability in large pile and rock layer drilling conditions, it is suitable for bridge, high speed railway, high-rise buildings, and other large piling projects.

**Heavy load construction:** bigger and heavier chassis, higher structural stiffness, lower gravity center, more stable and more efficient when doing heavy load construction.

**Powerful rock drilling:** crowd force, torque, lifting force and other core capabilities perfectly match with each other to achieve efficient drilling of hard rock, deep hole and large diameter pile. No fear of breeze hardened hard rock.

**Full crowd stroke system:** equipped with 10m crowd winch in standard configuration, and can independently switch to 21m. Full stroke crowd system can reduce time for casing connection, especially for full cased construction under mudflat, backfill and other soft soil layer.

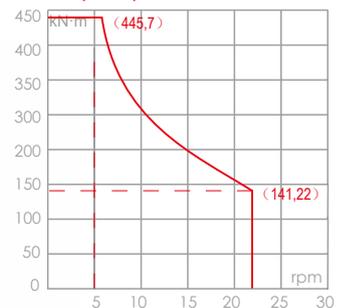
**Strong power:** powerful engine with large displacement, real-time power distribution according to demand, continuously output power for different construction condition. The main winch has large lifting force, capable of dealing with underground emergencies.

**Intelligent control:** the chassis, mast and rotary drive are designed with high standard to resist impact load. The wire rope of main winch is wound in single-layer, no extrusion, no wear, long lifetime and low cost.

**Safety configuration:** large HD display, fast response, easy to learn and use. EVI app supports real-time remote monitoring, one-click service call, group management, etc.

**Convenient maintenance:** automatic central lubrication saves time and effort. Supporting trestle pin shaft self-disassembly device and hydraulic quick change joint, convenient disassembly and quick transfer.

Torque-Speed (standard mode)



Torque-Pressure (rock drilling mode)

