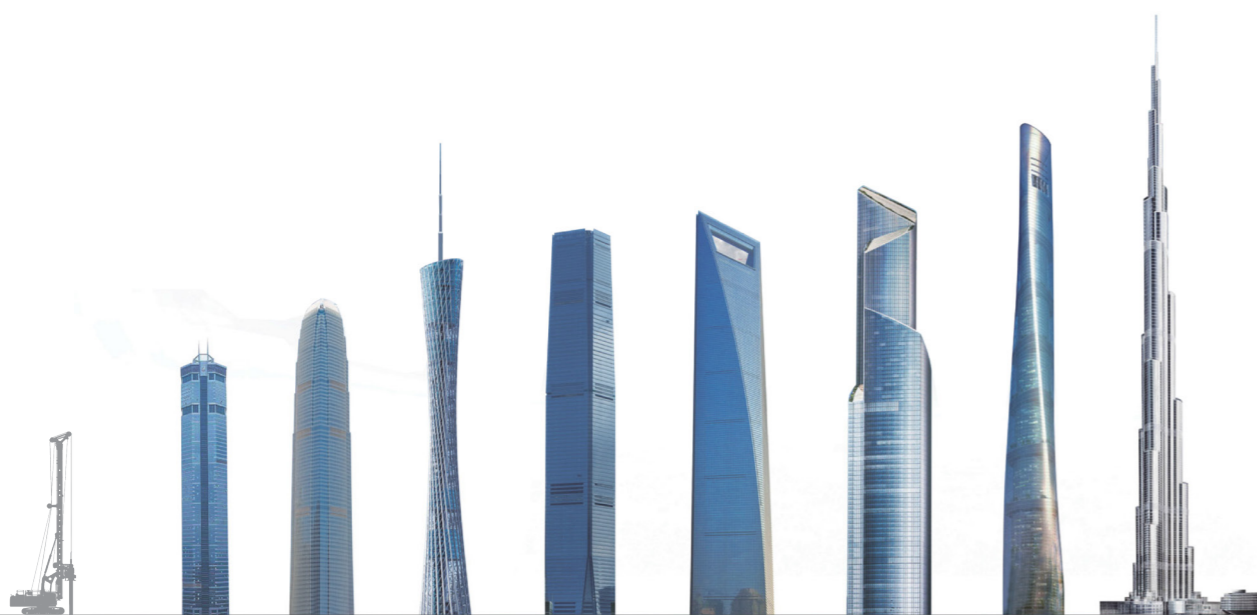


The world's **height** is determined by our drilling **depth**



**2017 Rotary Drilling Rig**

**SR285R**

- Engine Power            300kW/1800rpm
- Max. pile diameter            2.3m
- Max. pile depth            94/61m

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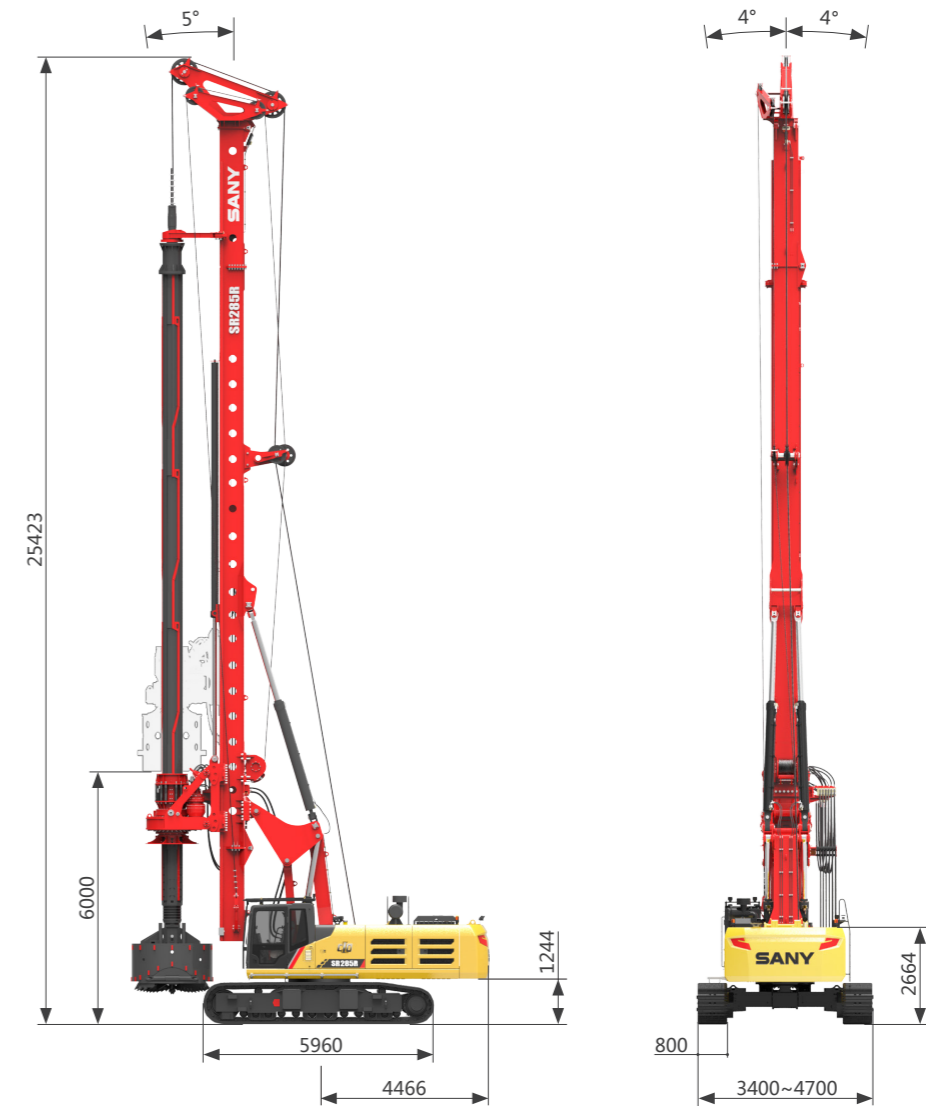


Main performances	Unit	Parameter	Remark
<b>Pile</b>			
Max. pile diameter	mm	2,300	
Max. pile depth	m	94/61	friction kelly/inter-locking kelly
<b>Rotary Drive</b>			
Max. output torque	kN·m	285	
Speed of rotation	rpm	5~23	
<b>Crowd system</b>			
Crowd force	kN	260	
Line pull	kN	334	
Stroke	mm	6000	
<b>Main winch</b>			
Line pull	kN	330	
Rope diameter	mm	36	
Max. line speed	m/min	72	
<b>Auxiliary winch</b>			
Line pull	kN	90	
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 6WG1X	
Engine power	kW/rpm	300/1,800	
Emission regulation		COM III /R96	
Engine displacement	L	15.68	
Chassis length	mm	7,473	
Extended width	mm	4,700	
Track shoe width	mm	800	
Swing radius	mm	4,530	backside
<b>Overall machine</b>			
Overall height	mm	25,423	
Operating weight	t	100	
Transport width	mm	3,524	
Transport height	mm	3,706	

Configuration table	Option	Option	Option
<b>MAST SYSTEM :</b>			
Mast verticality measuring	●	Cylinder crowd system	●
Mast sideward limits	●	Crowd force measuring	●
Masthead cylinder	●	<b>ROTARY DRIVE :</b>	Gradienter
Boom working range measuring	●	Torque measuring	●
Cab anticollision protection	●	Multi-gear control system	●
<b>MAIN WINCH :</b>		<b>OPERATION SYSTEM :</b>	
Overload measuring	●	Oil pressure measuring device	●
Ground touching protection	●	All-directional lighting system	●
Freewheel control	●	Slew angle measuring	●
Fast lowering	●	Emergency stop switch	●
Camera monitoring system	●	Slew siren	●
Speed measuring	●	Diesel-electric pump	●
Depth measuring	●	Auto centralized lubricating-system	●
Upper limit protection function	●	Auto idle model	●
<b>AUXILIARY WINCH :</b>		Digital simulation animation	●
Upper limit protection function	●	Integrated overload protection	●
<b>CROWD SYSTEM :</b>		Casing driver	○
		Auto/manual mast verticality-adjusting	●

● Standard ○ Optional

## Working dimensions



## Lowering the mast dimensions



## Type of kelly bar

Friction kelly	Depth(m)	Inter-locking kelly	Depth(m)
Φ508×6×15	81.5	Φ508×3×15	40
Φ508×6×16	87.5	Φ508×4×15	53
Φ508×6×17	94	Φ508×4×16	57
		Φ508×4×17	61