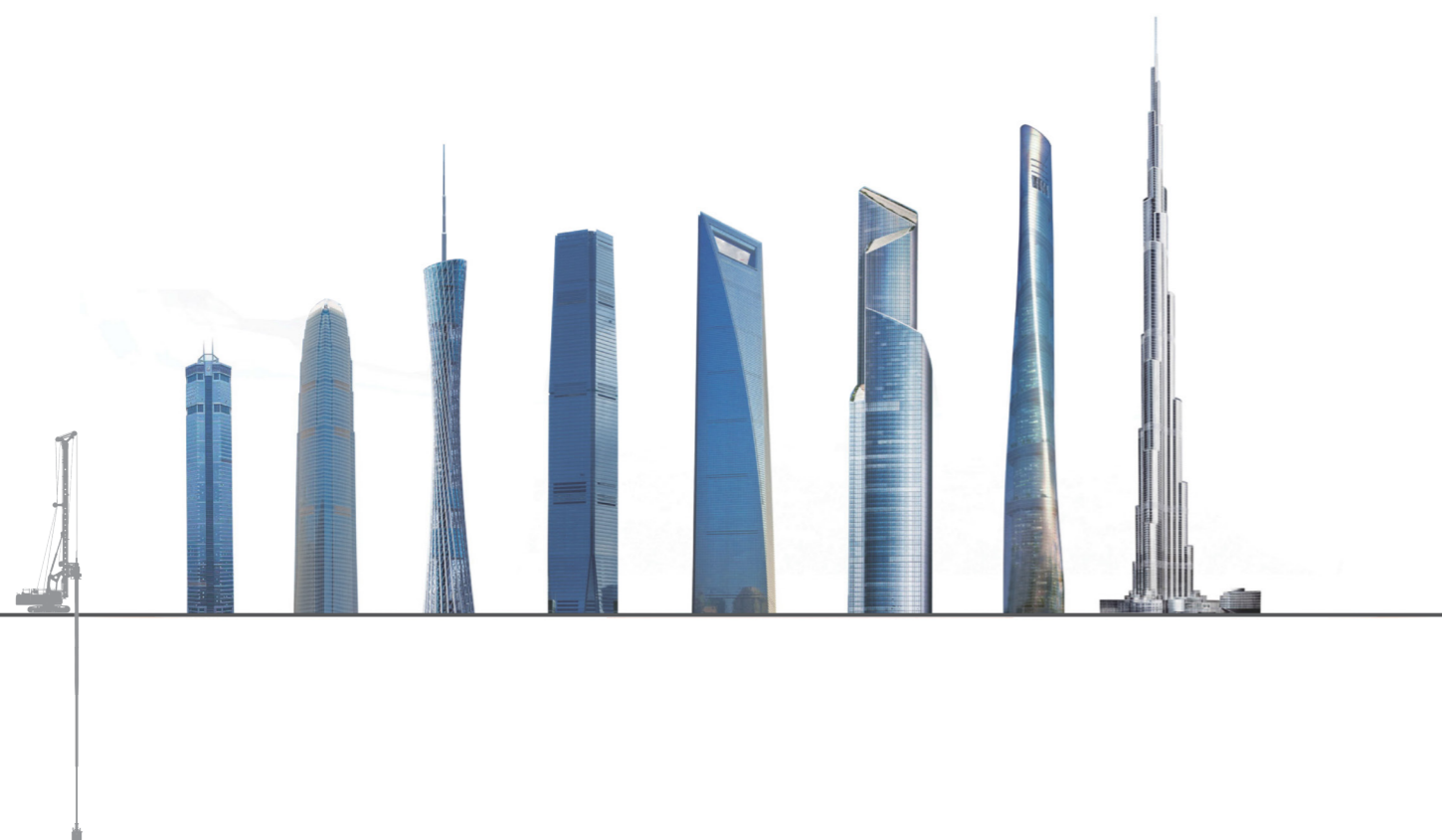


The world's **height** is determined by our drilling **depth**

**WTO**

*Rotate wonderful new era  
drill deep great future*



**2017 Rotary Drilling Rig**

**SR285R**

- Engine Power            300kW/1800rpm
- Max. pile diameter        2.2m
- Max. pile depth            93.5/61m

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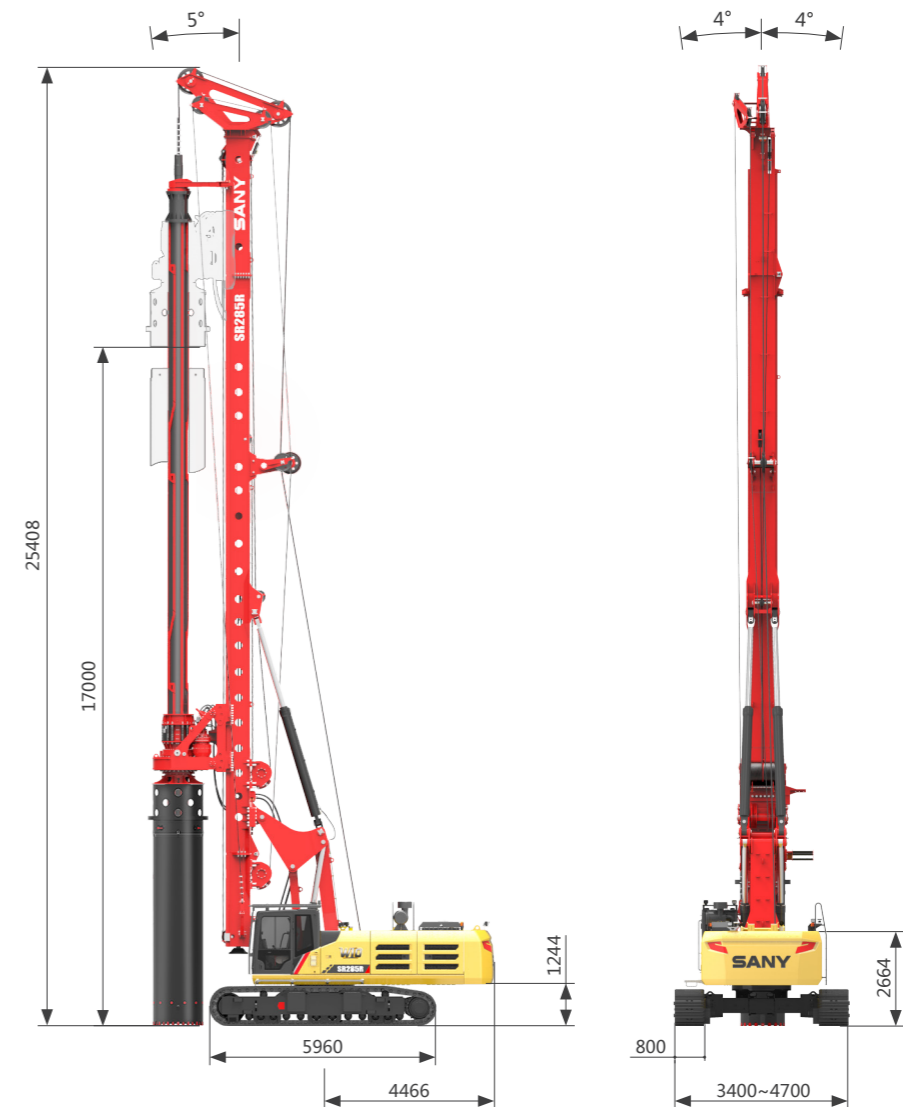
## W10

Main performances	Unit	Parameter	Remark
<b>Pile</b>			
Max. pile diameter	mm	2,200/1,900	none casing/casing
Max. pile depth	m	93.5/61	friction kelly/inter-locking kelly
<b>Rotary Drive</b>			
Max. output torque	kN·m	285	
Speed of rotation	rpm	5~24	
<b>Crowd system</b>			
Crowd force	kN	260	
Line pull	kN	355	
Stroke	mm	17,100	
<b>Main winch</b>			
Line pull	kN	330	
Rope diameter	mm	36	
Max. line speed	m/min	70	
<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	25,408	
Operating weight	t	105	
Transport width	mm	3,473	
Transport height	mm	3,611	

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

● 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	93.5	Φ508 × 4 × 16	57
		Φ508 × 4 × 17	61