

# Truck-Mounted Engineering Drilling Rig



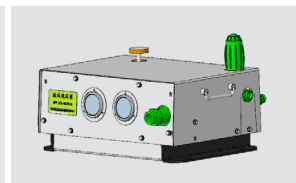
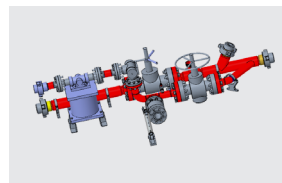
## Excellent Off-Road Capability & Compliance with Regulations

- Equipped with a five-axle all-wheel-drive chassis or an all-terrain chassis, featuring large approach and departure angles for superior off-road performance.
- Total width of 2.55m compiles with road vehicle regulations, ensuring mobility and rapid site access.



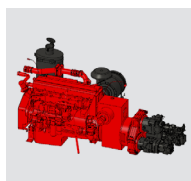
## Comprehensive Configuration & Full Functionality

- Standard package includes: Mud manifold, Air manifold, and foam pump, supporting mud, air, and foam drilling operations.
- Pipe spinners and auxiliary winches available as configurable options.



## Dual Power Drive & Ample Power Supply

- Equipped with power combining gearbox enabling seamless switching between diesel and electric prime movers for superior adaptability.
- The power head adopts a high-speed motor + reducer design with an integrated brake, delivering high torque and high-speed precision output.
- High-power diesel/electric drive outperforms peer product by 10% in power output.



## Smart Integration & Automatic Control

- Integrated screen monitors real-time drilling data for automated WOB (Weight on Bit) Control.
- Single-Operator Integrated Control Console enables full automation of rig/tools through multi-tool interlocking.



## Parameter sheet

Name		Unit	SZJ1000HYC	SZJ1350HYC
Maximum Hook Load		kN	1000	1350
Maximum Feed Force		kN	200	300
Maximum Borehole Diameter		mm	840	840
Nominal Drilling Depth (4 1/2)		m	2000	3000
Top Drive	Carrier Configuration	-	All-wheel drive / All-terrain	All-wheel drive / All-terrain
	Power/Speed	kW/rpm	341	341
	Max Gradeability	%	38	35
Power System	Rotary Drive Diesel Engine	-	TAD1643VE	TAD1643VE
	Power/speed	kW/rpm	565/1900	565/1900
Hydraulic Top Drive	Low Gear Torque/Speed	kNm/rpm	32/0-105	32/0-105
	High Gear Torque/Speed	kNm/rpm	21/0-160	21/0-160
	Fast Hoisting Speed	m/min	48	48
	Fast Lowering Speed	m/min	60	60
	Stroke	m	15.24	15.24
	Spindle Bore Diameter	mm	125	125
Rotary Table	Maximum Clearance Diameter	mm	840	840
	Deck Height	m	1.3-2.2	1.3-2.2
Tool Hoist	Max Torque	kN	50	50
Pipe Spinner	Maximum Torque	kNm	100	100
	Gripping Range	"	2 7/8" ~9 5/8"	2 7/8" ~9 5/8"
Air/Mud Mainfold	Max Pressure	Mpa	21	35
	Bore Diameter	mm	89	89
Working Dimensions	L×W×H	m	13×6.2×24.3	13×6.2×24.3
Transport Dimensions	(L×W×H)	m	15.6×2.55×4	15.6×2.55×4
Total Weight of the Main Unit		kg	52000	55000
Doghouse Mounting			Integrated	Integrated

## Project Cases

