

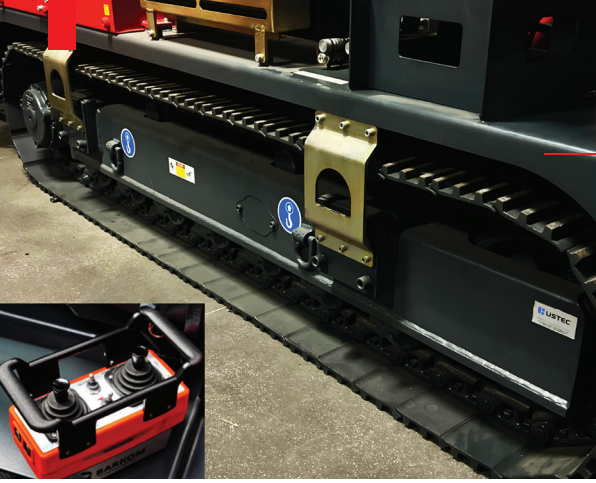
TOPHEAD

SURFACE **DRILLING RIGS**

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TOPHEAD SERIES
BD400T - BD800T - BD1500T - BD2500T





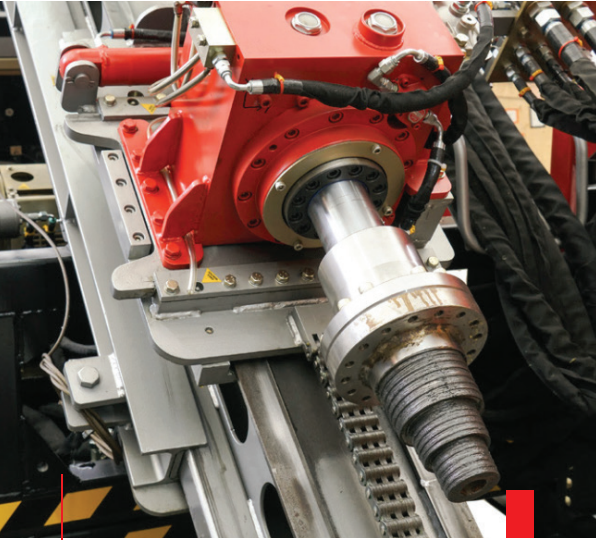
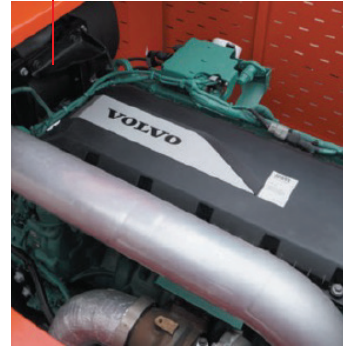
01 Conquer Any Terrain with Confidence

The robust steel track design enables effortless mobility even in the harshest ground conditions. Combined with a remote-control option, you can ensure maximum safety and ease of operation for tramping.



04 Unstoppable Power

Driven by a powerful diesel engine, our rig delivers consistent and reliable performance for even the most demanding operations.



02 Seamless Adaptability with Top-Head Rotary Unit

The innovative top-head rotary unit design simplifies working with the B-N-H-P drill rod set, making operations faster and more versatile.



03 PLC Monitoring for Enhanced Efficiency

Equipped with a reliable control and warning system, our cutting-edge control panel features indicators to monitor all drilling equipment and functions. The 10-inch touchscreen PLC display

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05 Optimized Cooling for Peak Performance

A high-capacity cooling system ensures smooth operation, even during intensive drilling sessions.

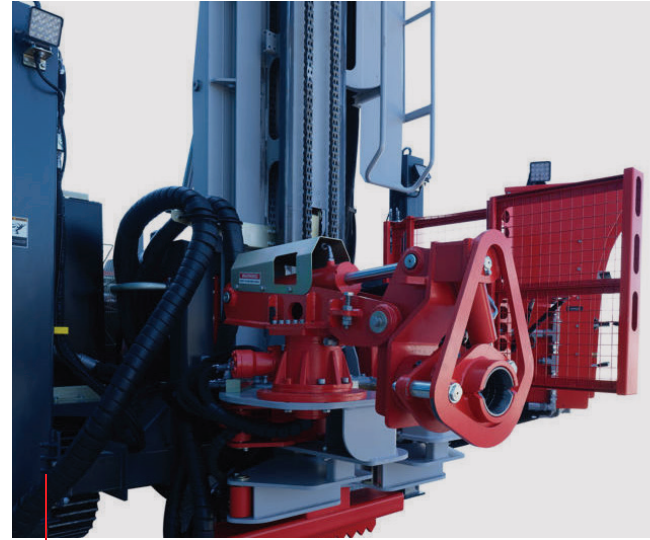


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06

Effortless Self-Loading Capability

Lifts itself up to 1.4 meters, allowing for fast and easy loading without the need for a platform. Hydraulic jack stabilizers ensure easy setup and stability on sloping and challenging terrains.



07

Semi-Automatic Rod Handling System

A hydraulic arm enables semi-automatic rod handling, reducing operation time while increasing safety and efficiency.



08

User-Friendly Control Panel

Enjoy simplicity and convenience with our easy-to-use control interface, designed to keep you focused on the task at hand.

09

Advanced Safety Features

Our rigs are equipped with a safety cage and emergency stop buttons, ensuring safer drilling operations for your crew. The automatic locking system of the main winch offers a safe and reliable lifting solution.



		BD400T	BD800T	BD1500T	BD2500T	
Drilling capacity	PWL	80	250	400	1000	m
	HWL	200	400	650	1500	m
	NWL	400	800	1500	2500	m
	BWL	550	1000	1800	3500	m
Dimensions	L x W x H	6 x 2 x 2,2	8,5 x 2,2 x 2,4	11,5 x 2,35 x 2,67	11,5 x 2,35 x 2,9	m x m x m
	H (max open)	6	8,5	11,5	11,5	m
	Weight	4	8	13,5	16	ton
	Brand / Model	KOHLER KDI 3404TM	IVECO N45 TM3	CUMMINS QSB 6.7	CUMMINS QSL 8.9 or VOLVO TAD853VE	-
Diesel engine	Power	68 (90)	122 (164)	165 (221)	225 (305) or 238 (320)	kW (hp)
	Electrical system	12	12	24	24	V
	Speed	2000	2000	2000	2000	rpm
	No. of cylinders	4	4	6	6	pcs
	Cooling	Water	Water	Water	Water	-
	Fuel tank capacity	70	120	200	350	ℓ
	Connection	Tandem	Tandem	Tandem	Tandem	-
	Flow rate of Pump 1	128	180	224	320	ℓ/min
Hydraulic system	Flow rate of Pump 2	44	72	72	72	ℓ/min
	Flow rate of Pump 3	25	44	44	44	ℓ/min
	Flow rate of Pump 4	16	16	16	25	ℓ/min
	Flow rate of Pump 5	-	-	-	16	ℓ/min
	Oil tank capacity	70	180	200	300	ℓ
	Air cooler brand	PARKER or AKG	PARKER or AKG	PARKER or AKG	PARKER or AKG	-
	Type	Multistage head	Multistage head	Multistage head	Multistage head	-
	Gearbox reduction	3,53	3,53	4,13	4	-
Rotary head	Max. rotation speed	1100	1100	1100	1100	rpm
	Max. torque	3890	4250	5420	8000	Nm
	Cradle slide distance	240	320	350	475	mm
	Head movement	3,5	3,5	7	7	m
Feed system	Pull-up capacity	80	110	160	285	kN
	Pull-down capacity	40	50	70	175	kN
	Max. rod diameter	114,3	114,3	114,3	114,3	mm
	Semi-automatic handler	Optional	Optional	Optional	Optional	-
Rod handling	Max. rod diameter	143,8	143,8	143,8	143,8	mm
	Type	Hydraulic foot clamp	Hydraulic foot clamp	Hydraulic foot clamp	Hydraulic foot clamp	-
Rod holder	Max. rod diameter	154	154	154	154	mm
	Rod holding force	165	165	165	300	kN
	Rope diameter	12	14	16	16	mm
Main hoist	Rope length	18	18	24	24	m
	Max. pull capacity	30	100	100	180	kN
	Rope diameter	4,8	4,8	4,8	4,8	mm
Wireline crane	Max. rope length capacity	600	1000	4000	4000	m
	Winding system	Automatic	Automatic	Automatic	Automatic	-
Jib crane	Extension	-	-	1790	1790	mm
	Loading capacity	-	-	500	500	kg
	Turn	-	-	80	80	°
Flush pump	Flow rate	90	120	140	140	ℓ/min
	Operating pressure	50	70	70	70	bar
Control panel indicators	Engine	Temperature	Temperature	Temperature	Temperature	✓
	Turbo pressure	Turbo pressure	Turbo pressure	Turbo pressure	Turbo pressure	✓
	Speed ratio	Speed ratio	Speed ratio	Speed ratio	Speed ratio	✓
	Hydraulic system	Oil pressure	Oil pressure	Oil pressure	Oil pressure	✓
	Oil temperature	Oil temperature	Oil temperature	Oil temperature	Oil temperature	✓
	Battery	Voltage	Voltage	Voltage	Voltage	✓
Crawler	Fault	Malfunction warnings	Malfunction warnings	Malfunction warnings	Malfunction warnings	✓
	Brand	USTEC	USTEC	USTEC	USTEC or STRICKLAND	-
	Travel speed	4,35	3,38	2,96	2,96	km/h
	Track height	390	500	660	660	mm
	Track width	230	300	380	380	mm
Outrigger jacks	Remote-control	Optional	Optional	Optional	Optional	-
	Self-loading capacity	-	Optional	Optional	Optional	-
	Ground clearance	-	1,4	1,4	1,4	m
	Operation	-	Hydraulic	Hydraulic	Hydraulic	-

The technical data presented in this brochure is provided as a general and theoretical reference only. The drilling capacities of the rigs are calculated based on drilling in a fully vertical (90°) position, considering the available pull/feed force, the weight of the drill string in the borehole, and the average weight on the bit. Due to variable factors such as the geological structure of the drilled rock formation and operator use, BARKOM does not guarantee that these capacities can be achieved under all working conditions. The dimensions and measurements indicated in the tables and drawings may be subject to minor changes.

TOPHEADSERIES



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HEAD OFFICE

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 **BARKOM**



BARKOM reserves the right to modify the technical specifications of the rigs presented in this brochure at any time. The technical data sheet provided at the quotation stage contains the final specifications, and rig production is carried out based on the customer's approval of the data in the relevant document.

The features displayed in this brochure include standard and optional specifications available for our rigs. BARKOM welcomes customer-specific design and technical modifications and is open to providing customized production solutions based on the special needs and requirements of customers.