



ADLER[®]

ARBEITSMASCHINEN

PRODUCING QUALITY.

Our Drill Rig Range

Ideal for:

Well drilling

Geothermal drilling

Geological explorations

Explosive ordnance detection

Probe drilling

Screw foundations



www.adler-arbeitsmaschinen.de

The ADLER-Drill Rig Range:

Ideal for

Well drilling

Geothermal drilling

Geological explorations

Explosive ordnance detection

Probe drilling

and Screw foundations!



Suitable for trailers, approved up to 3.5 t
Approved for use up to B 50



Transportation on lorry required starting from series B 50



Can pass through doorways

DEVELOPED & PRODUCED IN GERMANY



B 15

Kubota-Engine: 15 HP
Retraction force: 9 kN
Weight: from 1,4 t

► down to 25 m!



B 25

Kubota-Engine: 25 HP
Retraction force: 12 kN
Weight: from 1,6 t

► down to 50 m!



B 50

Deutz-Engine: 50 HP
Retraction force: 23 kN
Weight: from 2,7 t

► down to 100 m!



B 75

Deutz-Engine: 75 HP
Retraction force: 23 kN
Weight: from 3,2 t

► down to 125 m!



B 75 pro

Deutz-Engine: 75 HP
Retraction force: 50 kN
Weight: from 3,5 t

► down to 150 m!

Also as
B 75 geo pro



B 75 3D-Drill

Deutz-Engine: 75 HP
Retraction force: 23 kN
Weight: from 5,5 t

NEW!
Universally Usable



B 200

Deutz-Engine: 200 HP
Retraction force: 122 kN
Weight: from 13 t

► down to 250 m!

NEW!



Attachment Drill Rig ABL

For excavators from 2 t to 30 t
We also manufacture in compliance with your wishes!



Breaking new ground ...

Powerful drilling solutions for highly confined spaces.

Our drill rigs are used for well drilling, geothermal drilling and geological exploration drilling. We can also provide you with solutions for almost all types of piling mode. The low weight and compact design enable you to reduce your investment costs to a minimum. Our technology is innovative, allowing you to achieve excellent performance with minimal effort. We can equip our B-series drill rigs with customised features to meet your requirements.

We offer six compact drill rigs in different performance categories to suit the required drill depth and soil characteristics.

Ideal for Well drilling
Geothermal drilling
Geological explorations
Explosive ordnance detection
Probe drilling
and Screw foundations!

The powerful B-series compact Drill Rigs allow you to make drill holes even in locations which are difficult to access. With a transport width of up to 90 cm and a height of just 195 cm, these Drill Rigs will fit through standard doors, enabling you to access any building. The standard chain chassis ensures that you reach your drilling location even on difficult terrain. Our small and compact Drill Rigs also ensure that you can travel to the site easily right from the start: All you need is a car trailer to transport them to the site.



save time

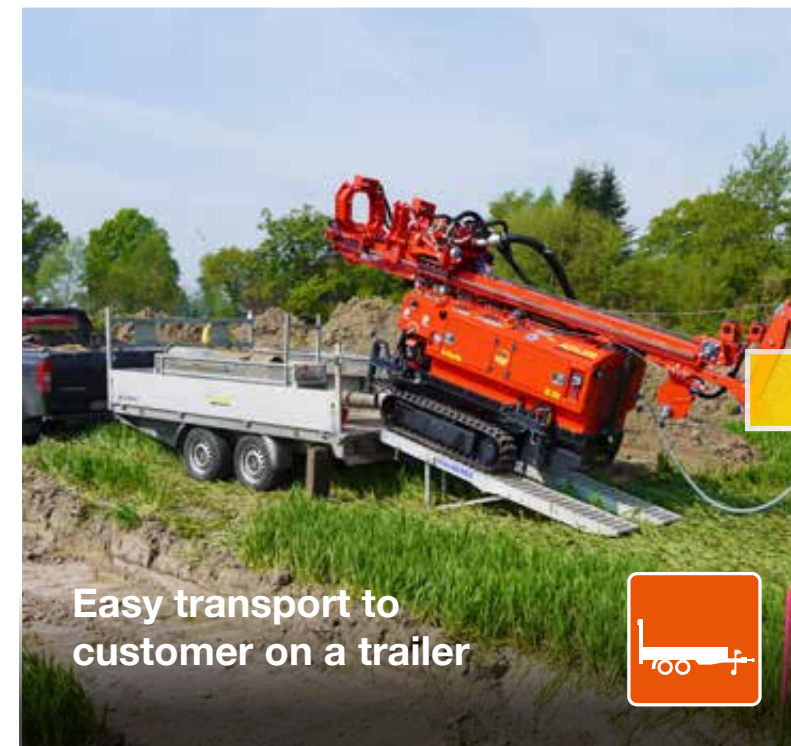
reduce costs

impress customers

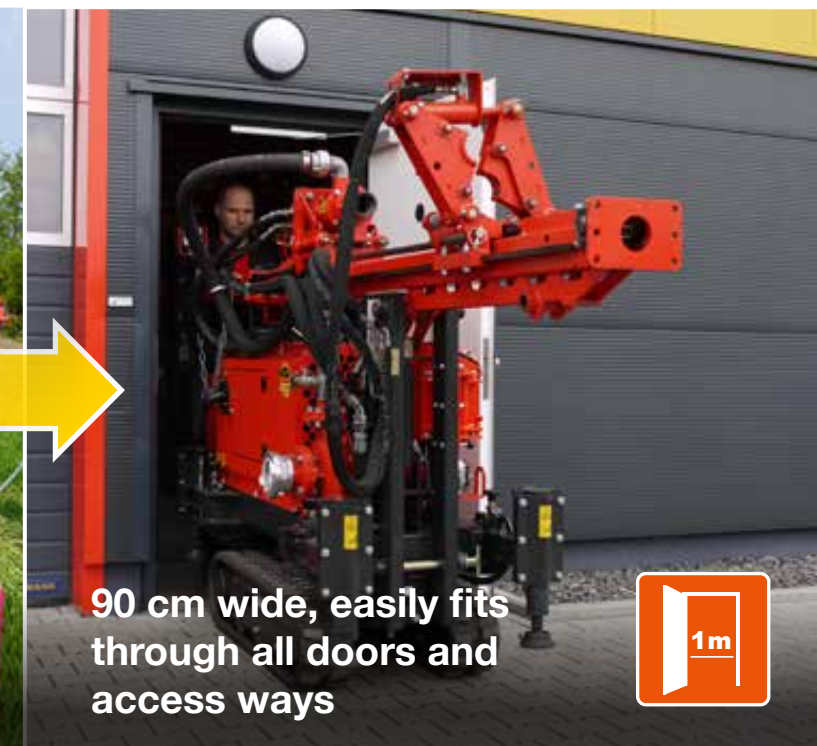
ADLER-drill rigs
B 15 to B 50

- ▶ quickly transported
- ▶ short set-up times
- ▶ start work without delay
- ▶ maximum price-performance
- ▶ low investment costs
- ▶ easy maintenance
- ▶ gentle on gardens
- ▶ fits through standards doors
- ▶ Engine with noise insulation

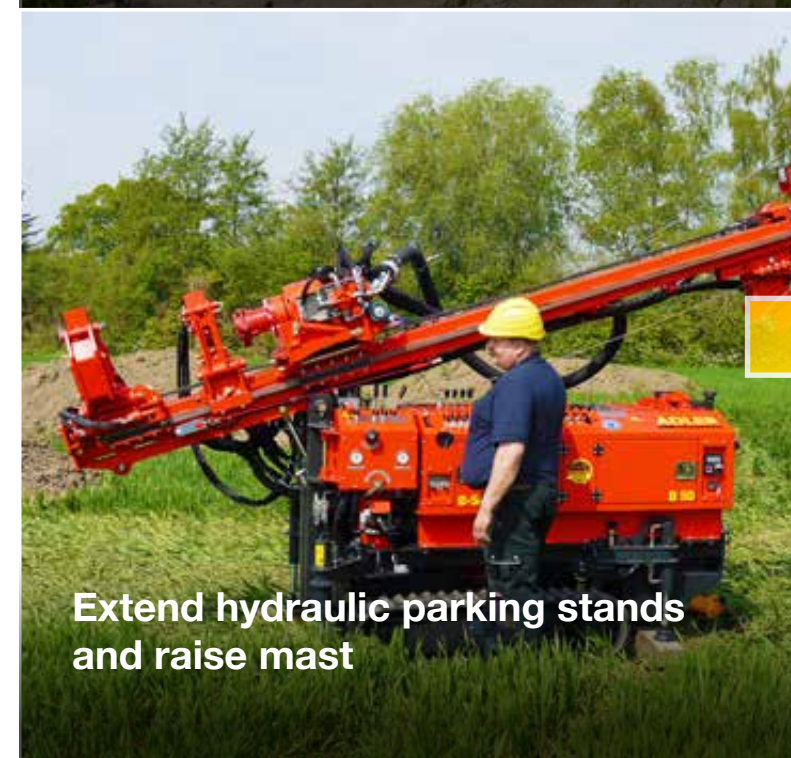
DEVELOPED &
PRODUCED IN
GERMANY



Easy transport to customer on a trailer



90 cm wide, easily fits through all doors and access ways



Extend hydraulic parking stands and raise mast



Without much effort the B-series is ready for operation in only a few minutes

DEVELOPED &
PRODUCED IN
GERMANY



Drill rig B 15

- ▶ inexpensive starter rig for easy to medium-heavy soils
- ▶ ideal for depths down to approx. 25 m for drilling diameters of about 150 mm
- ▶ basic drill for geological explorations
- ▶ low base weight of around 1.4 t and machine width of 80 cm enable you to work in difficult-to access drilling locations

down to 25 m!



Characteristics of B 15

Flush drilling*	Depth: 25 m	Diameter: 150 mm
Down-the-hole hammer drilling*	Depth: 25 m	Diameter: 120 mm
Dry drilling*	Depth: 10 m	Diameter: 110 mm
Hollow stem auger procedure*	-	
Subsoil assessment		✓
Probing for unexploded bombs		✓

*) The values given are for orientation and may vary depending on the soil conditions.

Technical specifications

Drive unit (Kubota engine)	2 cyl. / 11 kW / 15 HP diesel
Fuel tank capacity	30 l
ADLER-Crawler Undercarriage F 17	Width: 725 mm - 1,125 mm (telescopicable)
Support feet	4 x mechanical
Drill pipes	1.5 m
Travel range	1.8 m
Feed	6 kN
Retraction force	9 kN
Feed system	Hydraulic engine with roller chain
Hydraulic drill head with lateral rinsing head clearance	ABK 315: 90 daNm / 65 rpm 2"
Hydraulic drill head with transmission (2-speed) clearance 2 1/2"	optional
Mud pump	max. 30 m³/h - max. 3 bar
Lifting clamp clearance/ lifting force/stroke	up to Ø 219 mm / 80 kN / 200 mm
Offset drilling	-
Hydraulic cable winch: Tractive force/cable length/cable Ø	5 kN / 30 m / 6 mm
Cable remote control for traction drive	-
Transport dimensions (L / W / H)	3,250 / 800 / 1,950 mm (with safety guard)
Weight of basic machine	from 1.4 t



B 15 the compact drill rig for shallow depths



The mud pump can be integrated into the B15 drill rig on request



Operating station to control the drilling process



Accessories for flush drilling



Hydraulic drill pipe breaker



Mechanical support feet as standard





Drill rig B 25

- ▶ convenient all-rounder at premium price
- ▶ ideal for depths down to approx. 50 m for drilling diameters of about 150 mm
- ▶ excellent for geological exploration drilling and subsoil assessments
- ▶ powerful, compact machine (only 90 cm wide) with many options for use

Further drill rig applications
see the „Specialists“ on page 24

down to 50 m!



Characteristics of B 25

Flush drilling*	Depth: 50 m	Diameter: 150 mm
Down-the-hole hammer drilling*	Depth: 50 m	Diameter: 120 mm
Dry drilling*	Depth: 15 m	Diameter: 180 mm
Hollow stem auger procedure*	Depth: 15 m	Diameter: 180 mm
Subsoil assessment		✓
Probing for unexploded bombs		✓

*) The values given are for orientation and may vary depending on the soil conditions.

Technical specifications

Drive unit (Kubota engine)	3 cyl. / 18.5 kW / 25 HP diesel
Tank capacity	30 l
ADLER-Crawler Undercarriage F 17 ADLER-Crawler Undercarriage F 25 (optional)	Width: 725 mm - 1,125 mm (telescopicable) Width: 775 mm - 1,175 mm (telescopicable)
Support feet	4 x hydraulic
Drill pipes	1.5 m
Travel range	1.8 m
Feed	8 kN
Retraction force	15 kN
Mast lowering 200 mm	optional
Feed system	Hydraulic engine with roller chain
Hydraulic drill head with lateral rinsing head clearance 2"	ABK 400: 120 daNm / 90 rpm
Hydraulic drill head with transmission (2-speed) clearance 2 1/2"	1st gear (slow): 220 daNm / 45 rpm 2nd gear (fast): 110 daNm / 90 rpm Other speeds and torques possible
Mud pump	max. 50 m³/h - max. 6 bar
Lift clamp passage / Lifting force / stroke	up to Ø 219 mm / 80 kN / 200 mm
Offset drilling	optional
Hydraulic cable winch: Tractive force / cable length / cable Ø	5 kN / 30 m / 6 mm
Mast extension	optional
Cable remote control for driving and drilling	optional
Transport dimensions (L / W / H)	3,250 / 900 / 1,950 mm (with safety guard)
Weight of basic machine	from 1.6 t



Geared drill head with two switching stages



Safety device around rotating pipe fitted as standard



B 25 with offset drilling attachment



Optional for B 25: Lifting clamp for drilling cased boreholes



Winch with 5 kN (500 kg) tractive force



Operating station with all drill functions – pivot mechanism





Drill rig B 50

- ▶ high-performance machine for many applications
- ▶ ideal for depths down to approx. 100 m with drilling diameters of about 170 mm
- ▶ professional machine for easy transport on a 3.5 t trailer
- ▶ high flushing rate via integrated pump
- ▶ extensive options such as mast lowering, mast inclination, offset drilling, etc.

down to 100 m!



Characteristics of B 50

Flush drilling*	Depth: 100 m	Diameter: 170 mm
Down-the-hole hammer drilling*	Depth: 100 m	Diameter: 150 mm
Dry drilling*	Depth: 25 m	Diameter: 200 mm
Hollow stem auger procedure*	Depth: 20 m	Diameter: 200 mm
Subsoil assessment		✓
Probing for unexploded bombs		✓

*) The values given are for orientation and may vary depending on the soil conditions.

Technical specifications

Drive unit (Deutz engine)	3 cyl. / 37 kW / 50 HP diesel (emission level 5)
Tank capacity	45 l
ADLER-Crawler Undercarriage F 25 ADLER-Crawler Undercarriage F 30 (optional)	Width: 775 mm - 1,175 mm (telescopicable) Width: 780 mm - 1,180 mm (telescopicable)
Support feet	4 x hydraulic
Drill pipes	2 m
Travel range	2.3 m
Feed	15 kN
Retraction force	23 kN
Mast lowering 300 mm	optional
Feed system	Hydraulic motor with roller chain
Hydraulic drill head with lateral rinsing head clearance 2 1/2"	ABK 800: 200 daNm / 80 rpm
Drill drive	Mechanical swivelling
Hydraulic drill head with transmission (2-speed), clearance 2 1/2" transmission (3-speed) as option	1st gear (slow): 440 daNm / 50 rpm 2nd gear (fast): 220 daNm / 100 rpm Other speeds and torques possible
Mud pump	75 m³/h - 8 bar
Lift clamp passage / Lifting force / stroke	up to Ø 219 mm / 100 kN / 200 mm
Offset drilling	optional
Winch hydraulic Traction force / rope length / Ø rope	5 kN / 30 m / 6 mm (optional 10 kN / 50 m / 8 mm)
Mast extension	optional
Cable remote control for traction drive	✓
Cable remote control for driving and drilling	optional
Transport dimensions L / W / H	4,150 / 950 / 2,050 mm (without protection equipment)
Weight of basic machine	from 2.7 t



Swiveling gearhead with continuous 2 1/2" rinse shaft



Winch with cable stopper and mast extension



Lift clamp and hydraulic drill rod breaking bracket



Clear operating unit for controlling the drilling rig



2-stage drill drive with torques up to 620 daNm or revolutions up to 210 rpm



Mud pump "on board"





Drill rig B 75

- ▶ **Powerhouse with 75-diesel-HP and Deutz engine of the latest emission level 5**
- ▶ **extremely compact drill for difficult tasks in a small space**
- ▶ **individually configurable for Well drilling, geothermal drilling, dry drilling and geological explorations**

down to 125 m!



Characteristics of B 75

Flush drilling*	Depth: 125 m	Diameter: 170 mm
Down-the-hole hammer drilling*	Depth: 100 m	Diameter: 150 mm
Dry drilling*	Depth: 35 m	Diameter: 200 mm
Hollow stem auger procedure*	Depth: 30 m	Diameter: 200 mm
Subsoil assessment		✓
Probing for unexploded bombs		✓

*) The values given are for orientation and may vary depending on the soil conditions.

Technical specifications

Drive unit (Deutz engine)	4 cyl. / 55 kW / 75 HP diesel (emission level 5)
Tank capacity	45 l
ADLER-Crawler Undercarriage F 35 ADLER-Crawler Undercarriage F 45 (optional)	Width: 835 mm - 1,235 mm (telescopicable) Width: 1,000 mm - 1,400 mm (telescopicable)
Support feet	4 x hydraulic
Drill pipes	2.0 m
Travel range	2.3 m
Feed	15 kN
Retraction force	23 kN
Mast lowering 300 mm	optional
Feed system	Hydraulic motor with roller chain
Drill drive	Mechanical swivelling (optional hydraulic)
Hydraulic drill head with transmission (2-speed), clearance 2 1/2", optional transmission (3-speed)	1st gear (slow): 440 daNm / 50 rpm 2nd gear (fast): 220 daNm / 100 rpm Other speeds and torques possible
Mud pump	max. 120 m³/h - max. 8 bar
Lift clamp passage / Lifting force / stroke	up to Ø 219 mm / 100 kN / 200 mm
Cable-crushing-lifting clamp Clamping force / stroke / lifting force / torque	up to Ø 219 mm 118 kN / 250 mm / 120 kN / 10.6 kNm
Offset drilling	optional
Hydraulic winch Traction force / rope length / Ø rope	5 kN / 30 m / 6 mm (optional 10 kN / 50 m / 8 mm)
Mast extension	optional
Cable remote control for travel drive	standard
Cable remote control for driving and drilling	optional
Transport dimensions L / W / H	4,750 / 880 / 2,200 mm (without protective device)
Weight of basic machine	from 3.2 t



Winch with cable stopper and mast extension



Hydraulic clamping bell (large) to the drill pipe and to break the outer piping up to 178 mm



Standard with swing-out control panel.



Cable-crushing-lifting clamp up to 11.8 tons retraction force



Hydraulic pivoting of the drill head from the drill centre



Drill rig B 75 equipped with 75 HP and 2.9 litre Deutz engine of the latest emission standard 5





Drill rig B 75 pro

- ▶ extremely high retraction force of 50 kN due to extra strong mast design
- ▶ larger undercarriage and reinforced support feet
- ▶ Feed system via lifting cylinders
- ▶ Mast lowering and 3D mast lowering as standard

down to 150 m!



Characteristics of B 75 pro

Flush drilling*	Depth: 150 m	Diameter: 170 mm
Down-the-hole hammer drilling*	Depth: 100 m	Diameter: 150 mm
Dry drilling*	Depth: 35 m	Diameter: 200 mm
Hollow stem auger procedure*	Depth: 30 m	Diameter: 200 mm
Subsoil assessment		✓
Probing for unexploded bombs		✓

*) The values given are for orientation and may vary depending on the soil conditions.

Technical specifications

Drive unit (Deutz engine)	4 cyl. / 55 kW / 75 HP diesel (emission level 5)
Tank capacity	45 l
ADLER-Crawler Undercarriage F 45	Width: 1,000 mm - 1,400 mm (telescopic)
Support feet	4 x hydraulic
Drill pipes	2 m
Travel range	2.3 m
Feed	15 kN
Retraction force	50 kN
Mast lowering 300 mm	standard
2D-mast tilt by 5 ° forward and laterally	standard
Feed system	with hydraulic cylinder
Drill drive	mechanical swivel (optional hydraulic)
Hydraulic drill head with transmission (2-speed) clearance 2 1/2"	1st gear (slow): 440 daNm / 50 rpm 2nd gear (fast): 220 daNm / 100 rpm Other speeds and torques possible
Mud pump	max. 120 m³/h - max. 8 bar
Lift clamp passage / Lifting force / stroke	up to Ø 219 mm / 120 kN / 200 mm
Cable-crushing-lifting clamp/ Clamping force / stroke / lifting force / torque	up to Ø 219 mm 118 kN / 250 mm / 120 kN / 10.6 kNm
Offset drilling	optional
Winch hydraulic: traction / Rope length / Ø rope	5 kN / 30 m / 6 mm (optional 10 kN / 50 m / 8 mm)
Mast extension	optional
Cable remote control for travel drive	standard
Cable remote control for driving and drilling	optional
Transport dimensions L / W / H	4,950 / 880 / 2,575 mm (without protective device)
Weight of basic machine	from 3.5 t



Mast lowering by 300 mm at B 75 per standard



3D mast tilt by 5° (forward and side) as standard



Winch with 500 kg or 1.000 kg



Fold-out control panel for the control of all important drilling functions



Powerful water pump





NEW!

Universally Usable



Drill Rig B 75 3D-Drill

- ▶ Compact and universally usable 5.5 t drill rig – ideal for geological exploratory drilling (including exploring of hollow spaces), anchor drilling and many other applications
- ▶ The rig enables drilling in various orientations. Thanks to the wide range of pivoting, tilting and lifting functions of the kinematics, almost any drilling point can be reached – avoiding the need to reposition the rig. Ground contact of the support legs is monitored by sensors to ensure stability.
- ▶ Drilling and percussive heads can be selected to suit the specific drilling method
- ▶ Simple handling via remote control for complete driving and drilling operations
- ▶ Digital angle display on the remote control plus three manual angle indicators on the drill mast
- ▶ Optional accessories such as powerful generators (4.1 kVA), high-pressure cleaners and more



At a glance B 75 3D-Drill

Site investigation	✓
Geotechnical surveys	✓
Unexploded ordnance detection	✓
Flush drilling / Down-the-hole hammer drilling	✓
Dry drilling	✓
Hollow stem auger drilling	✓

Technical data

Drive unit Deutz engine	4-cylinder, 55 kW / 75 HP diesel (Stage V)
Fuel Tank Capacity	48 litres
ADLER crawler chassis F 45	Width: 1,000 mm – 1,400 mm (telescopic)

Kinematics:

Kinematics – Pivoting	90° left/right
Kinematics – Tilting	-40° to +90° (preset: 15° to +90°)
Kinematics – Inclining	90° left/right (preset: 50° each side)
Kinematics – Lifting	1,200 mm
Stability monitoring	Sensor-based via ground contact of four support legs
Support legs	Hydraulic – front: 2 swivelling; rear: 2 fixed
Drill rods	2.0 m
Feed length	2.5 m
Retraction force	23 kN
Mast lowering	1,000 mm
Feed system	Hydraulic motor with roller chain
Hydraulic drill head with 3-speed gearbox, through bore 2 1/2" *	1st gear (slow): 2,417 Nm / 47 rpm 2nd gear (medium): 1,209 Nm / 149 rpm 3rd gear (fast): 537 Nm / 306 rpm
Drill drive	hydraulic swivelling
Fresh water pump	max. 10 m³/h - max. 16 bar
Lower clamp Opening / clamping force:	up to Ø 195 mm / 58 kN
Clamp-break lifting clamp / clamping force / stroke / lifting force / torque	up to Ø 195 mm – 58 kN 250 mm / 118 kN / 10 kNm
Inclined drilling	5-axis-movement
Hydraulic winch Retraction force / cable length / Ø cable / speed	5 kN / 35 m / 6 mm / 54 m/min
Mast extension Hook load / outreach	5 kN / 500 mm
Remote control for driving and drilling	display for angle monitoring of the drill mast
Transport dimensions (L / W / H)	4980 / 1528 / 2548 mm (without protective equipment)
Base unit weight	from 5.5 t

* Further drill and percussion drill heads with alternative speeds and torques on request



Safe Operation even in Darkness with two LED headlights



Forward-tilting drill head with integrated head preventer



Drill head in the drilling center



Drill head hydraulically displaced from the drilling center



Clamp-break lifting clamp and lower clamp



Drill mast equipped with three mechanical angle indicators

ADLER B 75 3D-Drill

Maximum flexibility in narrow conditions

The ADLER drill rig impresses with its state-of-the-art 5-axis adjustable drilling kinematics (3D), providing optimal freedom of movement even in narrow conditions. Thanks to the special kinematics of the drill mast, multiple drilling points can be reached without repositioning the machine. The kinematics can pivot 90° to the left and right, tilt from -40° to +90°, and incline 90° in both directions – for maximum versatility, even in challenging terrain. Easy and safe operation and intuitive handling are always prioritised. For example, the rig's stability is monitored by sensors checking ground contact of the support legs.



- ▶ Safe and intuitive operation from outside the danger zone thanks to remote control



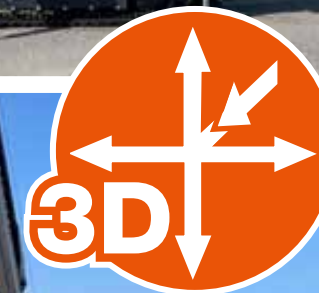
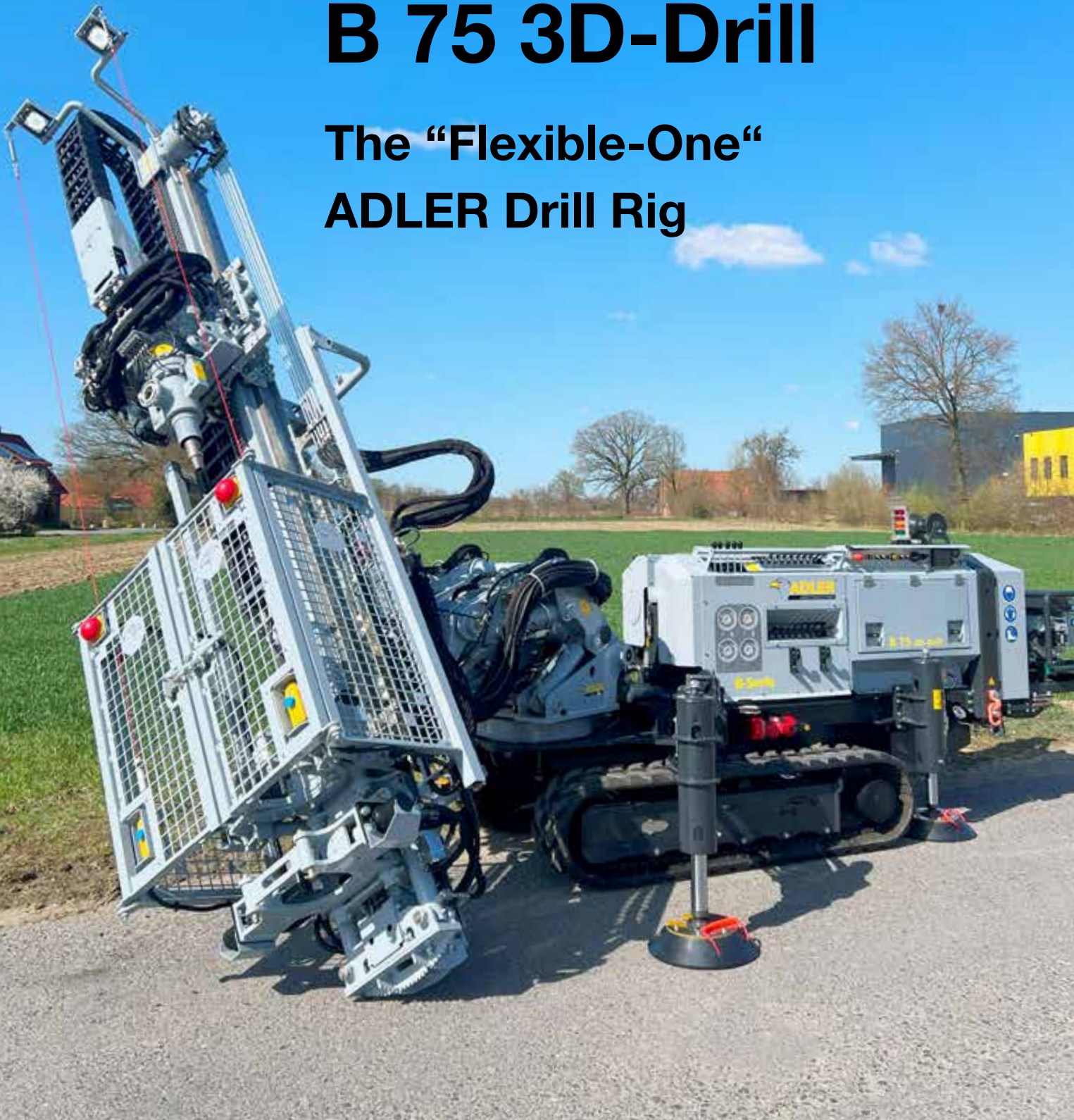
- ▶ Compact yet powerful



Drill Rig **B 75 3D-Drill**

The “Flexible-One”
ADLER Drill Rig

- ▶ 3D pivotable drilling kinematics
- ▶ Sensor-controlled stability monitoring





Drill rig B 75 geo pro

- ▶ powerful, compact 8 t machine
- ▶ fast conversion from dry drilling with piping turntable to suction drilling or flush drilling
- ▶ excellent for dry drilling with piping turntable up to 324 mm diameter
- ▶ suction drilling up to 600 mm possible

down to 150 m!



Characteristics of B 75 geo pro

Suction drilling	Depth: 30 m	Diameter: 600 mm
Piped drilling with piping turntable	Depth: 25 m	Diameter: 324 mm
Flush drilling*	Depth: 150 m	Diameter: 200 mm
Down-the-hole hammer drilling*	Depth: 100 m	Diameter: 155 mm
Dry drilling*	Depth: 35 m	Diameter: 219 mm
Hollow stem auger procedure*	Depth: 30 m	Diameter: 205 mm

*) The values given are for orientation and may vary depending on the soil conditions.

Technical specifications

Drive unit (Deutz engine)	4 cyl. / 55 kW / 75 HP diesel (emission level 5)
Tank capacity	45 l
ADLER-Crawler Undercarriage F 75	Width: 1,300 mm - 1,700 mm (telescopicable)
Support feet	4 x hydraulic
Drill pipes	2 m
Travel range	3 m
Feed	15 kN
Retraction force	50 kN
Mast lowering 1,000 mm	standard
Feed system	with hydraulic cylinder
Drill drive	hydraulically shiftable
Hydraulic drill head with transmission (2-speed), 4" clearance Transmission (3-speed), elec. switchable	1st gear: 490 daNm / 40 rpm 2nd gear: 254 daNm / 80 rpm 3rd gear: 123 daNm / 160 rpm Other speeds and torques possible
Suction pump	160 m³/h, clearance 4"
Piping turntable Clearance / Lifting force / Lift	up to Ø 335 mm / 220 daNm / 500 mm
Lift clamp passage / Lifting force / stroke	up to Ø 219 mm / 120 kN / 200 mm
Cable-crushing-lifting clamp/ Clamping force / stroke / lifting force / torque	up to Ø 219 mm 118 kN / 250 mm / 120 kN / 10.6 kNm
Offset drilling	optional
Winch hydraulic traction / Rope length / Ø rope	36 kN / 35 m / 12 mm
Mast extension	optional
Cable remote control for travel drive	standard
Cable remote control for driving and drilling	optional
Transport dimensions L / W / H	6,023 / 1,300 / 2,733 mm (with protective device)
Weight of basic machine	from 6.5 t



Piping turntable



Piping turntable in transport position



ADLER B 75 geo pro with suction drilling equipment



Suction pump



Mast crown with rope sling

Drilling procedure with the drill rig B 75 geo pro



The B 75 geo pro drill rig is a real all-rounder. A diverse selection of drilling methods is possible and can be combined in one drill rig.

Depending on the drilling method, the quick-change system can be used to attach various carriage foot options, such as a piping turntable, carriage foot for suction drilling and much more.

► Suction drilling



► Dry drilling with piping turntable



► Flush drilling/core drilling (single/double/rope core drilling)





Drill Rig B 200

NEW!

- ▶ **Powerful 13.5-ton drill rig — ideal for geothermal drilling, well drilling, geological exploration, and more**
- ▶ **Double-head drilling drive with torques up to 23,000 Nm for simultaneous drilling of drill pipe and casing**
- ▶ **Retracting force of 122.5 kN / Drill pipes: 4 m or 2 x 2 m**
- ▶ **Standard mast lowering of 800 mm**
- ▶ **Easy operation via remote control for both driving and drilling operation**
- ▶ **Optional accessories such as a 15.1 kVA power generator, high-pressure cleaner, and much more**

up to 250 m!*



Profile B 200

Technical data

Drive unit Deutz-Motor	Deutz engine 6 cyl. / 155 kW at 1,800 rpm / 210 hp diesel (emission level 5)
Tank capacity	260 l
Crawler chassis	Width: 1,900 mm Length: 3,000 mm
Support legs	2 x front extendable into the drilling axis / 2 x rear fixed
Drill rods	2 x 2 m or 4 m
Feed length	4,4 m
Feed	55 kN
Retraction force	122,5 kN
Mast lowering 800 mm	as standard
Feed system	via hydraulic cylinder
Drilling drive	Laterally adjustable by 700 mm (350 mm free passage)

Double head drill drive

EURO DRILL lower drill head (casing):			
Torque / speed	M1 = 23 kNm	n1 = 33 rpm	
	M2 = 15 kNm	n2 = 50 rpm	
	M3 = 11 kNm	n3 = 66 rpm	
	M4 = 7,5 kNm	n4 = 100 rpm	
Operating pressure / Flow rate:	280 bar / 170 l/min		
Free passage	150 mm		
EURO DRILL upper drill head (drill pipe):			
Torque / speed	M1 = 8,7 kNm	n1 = 55 rpm	
	M2 = 4,35 kNm	n2 = 110 rpm	
Operating pressure / Flow rate	250 bar / 120 l/min		
Movement length	250 mm		
Flushing passage	90 mm		

Other speeds and torques possible

Drill head	tiltable 50°
Clamping head	Passage 178 mm / 6 clamping claws
Flushing pump	max. 120 m³/h or max. 12 bar
Clamp-break lifting clamp / clamping force / stroke / lifting force / torque	max. clamping range 324 mm / clamping force 98 kN stroke 500 mm / lifting force 200 kN / breakaway torque 30 kNm
Bottom clamp	max. clamping range 406 mm / clamping force 235 kN
Hydraulic rope winch	max. lifting force 15.6 kN / max. rope speed 59 m/min Rope diameter 9 mm / max. rope length 55 m
Mast extension	Hook load 15 kN / extension 1,800 mm Distance from center up to 1,115 mm
Wired remote control for driving and drilling	optional
Transport dimensions L / W / H	7,562 mm / 1,954 mm / 2,954 mm
Weight of basic machine	up to 13 t



Hydraulic mast extension with a hook load of 17.5 kN for convenient feeding of the drilling tool



Double-head drilling drive with clamping bell for simultaneous sinking of the drill pipe and outer casing for overburden drilling



Clamp break lifting clamp for easy breaking of the drill pipe and outer casing with casing clamp at the bottom



Powerful water pump with up to 120 m³/h or max. 12 bar



Ergonomic remote control for complete driving and drilling operations



B 200 with folded drill mast in loading position for transportation to the construction site



Control panel with all instruments and displays for monitoring the drilling process and the drive unit (Deutz engine)

ADLER B 200 Drill Rig – Power for Great Depths

The compact ADLER B 200 drill rig impresses with its economical yet powerful six-cylinder, 6.1-liter Deutz engine and an operating weight of 13.5 tons.

The drill rig is designed for demanding operations at greater depths.

Whether for geothermal drilling, well drilling or geological exploration – the B 200 offers maximum performance and efficiency on any terrain.

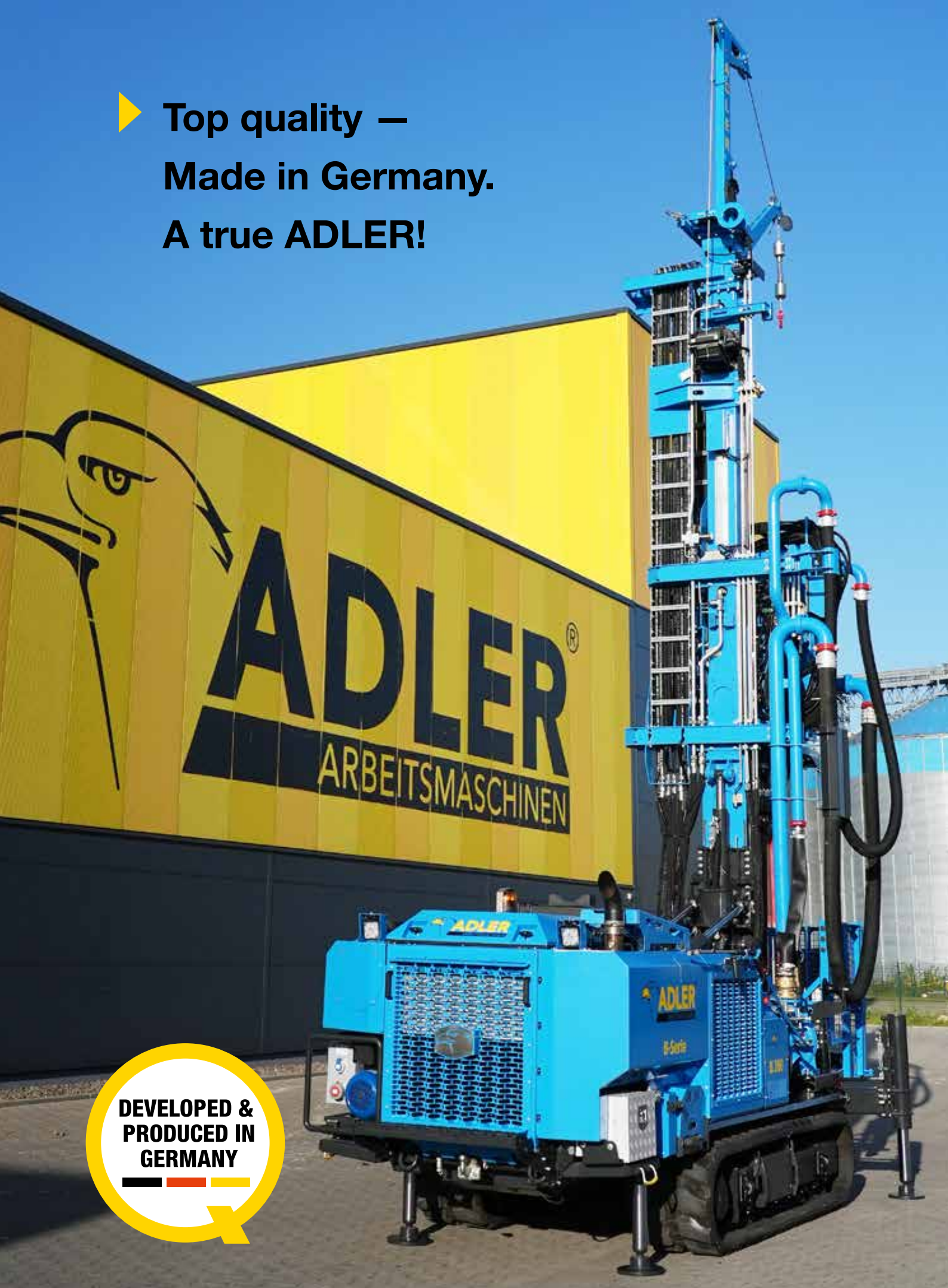
Thanks to a wide range of accessories and extensions, the ADLER B 200 can be perfectly adapted to your specific requirements, thus increasing flexibility and productivity.



► Accessories for ADLER B 200



- ▶ **Top quality —
Made in Germany.
A true ADLER!**



**DEVELOPED &
PRODUCED IN
GERMANY**

- ▶ **Simple and safe handling**



- ▶ **Powerful yet compact**



DEVELOPED &
PRODUCED IN
GERMANY



Attachment drill mast ABL

- ▶ for excavators from 2 t to 30 t
- ▶ versatile application possibilities
- ▶ quick attachment to your excavator
- ▶ individual adaptation to your drilling requirements

down to 15 m!
per drill procedure



Attachment drill mast ABL

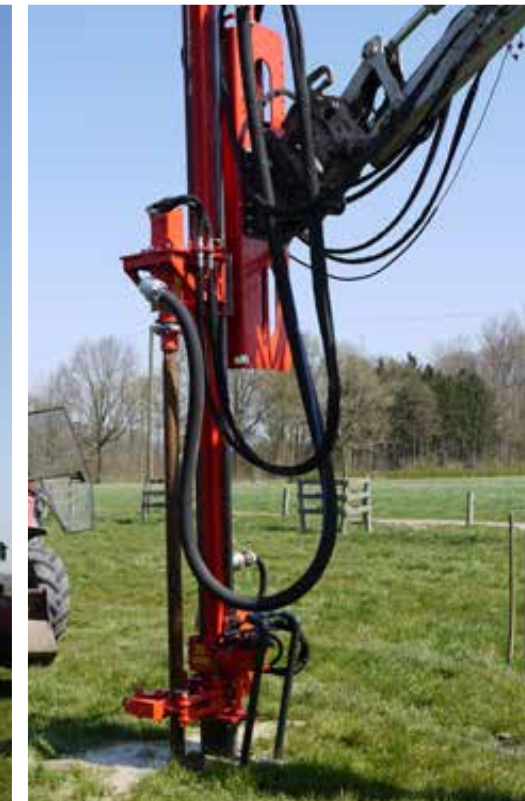
ADLER's attachment drill mast (ABL) has been specially designed for the attachment to an excavator and turns it quickly and easily into a cost-effective drill rig.

Production according to the modular principle enables us to create from a basic unit and the various add-on modules a customised drill rig. Depending on the local conditions and the drilling requirements, we can thus configure the optimal solution for our customers.

This guarantees a high degree of flexibility and a wide range of possible applications for individual production and high economic efficiency.



Attachment drill mast with 6.5 m travel
on the 8 t excavator



Attachment drill mast in the
drilling process on the excavator



Mounting of the drill carriage over the quick coupler
of the excavator



Attachment drill mast with hydraulic clamp



Setting up the drill rig ABL with the excavator



Attachment mast with flush drilling method



Flush drilling with a water circuit



ADLER geared drill head with inlet for filter pipes



Ideal for groundwater lowering



Easy transportation



With side tilt on request

Attachment mast with dry drilling method



ADLER-ABL 12 for the probing for unexploded bombs



Optimal for large-scale projects, the ADLER-ABL 15



Travelling guide rings



Various drill heads available



Mast foot designed as a cable-crushing-lifting clamp



Cable-crushing-lifting clamp in use

The Specialists

A wide variety of drilling rig applications emerge from the B 25, which, depending on the customers' wishes can be adapted to the various work requirements.

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B 25 Uni

Powerful and compact machine for flush drilling, dry drilling, dynamic probing, dynamic core probing and other geological explorations

► more on page 26



B 25 SF

Screw-in drill rig for screw-in foundations with a torque up to 8,000 Nm

► more on page 28



B 25 Electric

The ideal drill rig for drilling where combustion engines are not permitted

► more on page 30



B 25 Lightning conductor

3D impact device for earth rods, diameter: 16 - 19 mm, up to 35 m depth

► more on page 32



B 25 Pile driver

Compact, versatile pile driving machine for steel pipes and micro-piles up to 270 mm, pile driving weight 500 kg

► more on page 34



Drill rig B 25 Uni

- ▶ powerful and compact machine
- ▶ excellent for dynamic probing, dynamic core probing and other geological explorations
- ▶ comfortable all-rounder for flush and dry drilling
- ▶ for the screw-in of screw foundations

down to 50 m!



Characteristics of B 25

Flush drilling*	Depth: 50 m	Diameter: 150 mm
Down-the-hole hammer drilling*	Depth: 50 m	Diameter: 120 mm
Dry drilling*	Depth: 15 m	Diameter: 180 mm
Hollow stem auger procedure*	Depth: 15 m	Diameter: 180 mm
Subsoil assessment		✓
Probing for unexploded bombs		✓

*) The values given are for orientation and may vary depending on the soil conditions.

Technical specifications

Drive unit (Kubota engine)	3 cyl. / 18.5 kW / 25 HP diesel
Tank capacity	30 l
ADLER-Crawler Undercarriage F 17 ADLER-Crawler Undercarriage F 25 (optional)	Width: 725 mm - 1,125 mm (telescopicable) Width: 775 mm - 1,175 mm (telescopicable)
Support feet	4 x hydraulic
Drill pipes	1.5 m
Travel range	1.8 m
Feed	8 kN
Retraction force	15 kN
Mast lowering 200 mm	optional
Feed system	Hydraulic engine with roller chain
Hydraulic drill head with lateral rinsing head clearance 2	ABK 400: 120 daNm / 90 rpm
Hydraulic drill head with transmission (2-speed) clearance 2 1/2"	1st gear (slow): 220 daNm / 45 rpm 2nd gear (fast): 110 daNm / 90 rpm Other speeds and torques possible
Mud pump	max. 50 m³/h - max. 6 bar
Lift clamp passage / Lifting force / stroke	up to Ø 219 mm / 80 kN / 200 mm
Offset drilling	optional
Winch hydraulic traction / Rope length / Ø rope	5 kN / 30 m / 6 mm
Mast extension	optional
Cable remote control for travel drive	optional
Transport dimensions (L / W / H)	3,250 / 900 / 1,950 mm (with safety guard)
Weight of basic machine	from 1.6 t



Probe drilling with hollow stem auger or dynamic probing can be carried out alternately by swivelling-in the dynamic probing unit.



For the screw-in of screw foundations



Lifting unit with ball clamp for pulling the pile-driving or pile-coring tools (120 kN lifting force)



Extensive accessories for the use of the dynamic probing unit available



Extensive accessories for the use of the dynamic probing unit available



Screw-in drill rig for screw foundations B 25 SF

- ▶ **powerful screw-in drill rig for simple and fast screw-in of screw foundations**
- ▶ **ideal for screw foundations in fence construction, for traffic and advertising technology, for photovoltaics, for gardening and landscaping, for hall and timber construction**
- ▶ **digital construction site and pile documentation**
- ▶ **self-propelled machine, flexibly applicable – even on difficult terrain**

Drill head with
8,000 Nm



Characteristics of B 25 SF

Technical specifications

Drive unit (Kubota engine)	3 cyl. / 18.5 kW / 25 HP diesel
Tank capacity	30 l
ADLER-Crawler Undercarriage F 25	Width: 775 mm - 1,175 mm (telescopic)
Support feet	4 x hydraulic
Travel for screw foundations	3.5 m
Feed	15 kN
Retraction force	23 kN
Mast lowering	optional
Feed system	Hydraulic engine with roller chain
Hydraulic gear drill head	Transmission speed electrically adjustable via on-board computer: 800 daNm / 20 rpm Other speeds and torques possible
Offset drilling	15°
Cable remote control for driving and drilling	standard
Transport dimensions (L / W / H)	4,350 / 930 / 2,250 mm
Weight of basic machine	from 2.2 t



Variable drill head with up to 8,000 Nm and with quick change device



15° mast tilt to the right / left / front



Construction site and pile documentation with interface for data export – configurable according to customer requirements



Hydraulic clamp for guiding the screw foundations



Support shoe set for grass and indoor use with anti-slip system

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Drill rig B 25 Electric

- ▶ enables drilling in places where combustion engines are **not permitted**
- ▶ no fine dust emission
- ▶ for drilling in buildings and indoor
- ▶ lower noise emissions
- ▶ lower maintenance costs

down to 50 m!



Characteristics of B 25 Electric

Flush drilling*	Depth: 50 m	Diameter: 150 mm
Down-the-hole hammer drilling*	Depth: 50 m	Diameter: 120 mm
Dry drilling*	Depth: 15 m	Diameter: 180 mm
Hollow stem auger procedure*	Depth: 15 m	Diameter: 180 mm
Subsoil assessment		✓
Probing for unexploded bombs		✓

*) The values given are for orientation and may vary depending on the soil conditions.

Technical specifications

Drive unit electric motor	18.5 kW - 380 V - 3,000 rpm - Dr/Y 400/690 V - IP 65
Connectors	Input: CEE plug 63 A-3 Output: 1 x CEE socket 16 A-5 2 x CEE socket 16 A-3
Travel drive battery to borehole	Hydraulic power pack 4 kW 24 V 2 batteries 12 V 100 Ah, driving time ~ 20 min Emergency drive with cable possible when battery is empty
ADLER-Crawler Undercarriage F 17 ADLER-Crawler Undercarriage F 25 (optional)	Width: 725 mm - 1,125 mm (telescopic) Width: 775 mm - 1,175 mm (telescopic)
Support feet	4 x hydraulic
Drill pipes	1.5 m
Travel range	1.8 m
Feed system	8 kN
Retraction force	15 kN
Mast lowering 200 mm	optional
Feed system	Hydraulic engine with roller chain
Hydraulic drill head with lateral rinsing head clearance 2"	ABK 400: 120 daNm / 90 rpm
Hydraulic drill head with transmission (2-speed) clearance 2 1/2"	1st gear (slow): 220 daNm / 45 rpm 2nd gear (fast): 110 daNm / 90 rpm Other speeds and torques possible
Mud pump	max. 50 m³/h - max. 6 bar
Lift clamp passage / Lifting force / stroke	up to Ø 219 mm / 80 kN / 200 mm
Offset drilling	optional
Winch hydraulic traction / Rope length / Ø rope	5 kN / 30 m / 6 mm
Mast extension	optional
Cable remote control for travel drive	optional
Transport dimensions (L / W / H)	3,250 / 900 / 1,950 mm (with safety guard)
Weight of basic machine	from to 1.6 t



2-speed hydraulic drill head with clearance 2 1/2"



Electric control cabinet with three CEE sockets (outlet)



Side swivel of the drill mast (on option)



ADLER B 25 operator's platform



Emission-friendly electric motor
18.5 kW - 380 V - 3,000 rpm



Drill rig

B 25 Lightning conductor

- ▶ Impact device for earthing rods with a diameter of 16 - 19 mm
- ▶ Earthing up to 35 m possible depending on ground conditions
- ▶ Mast hydraulically adjustable in three directions (3D)
- ▶ hydraulically operated generator 220 V / 3 kW
- ▶ Radio remote control for the hydraulic impact hammer up / down and on / off – with endless impact device via limit switches
- ▶ Radio remote control for the travel drive forward / backward

Earthing
down to 35 m!



Characteristics of B 25 Lightning conductor

Technical specifications

Drive unit (Kubota engine)	3 cyl. / 18.5 kW / 25 HP diesel
Tank capacity	30 l
ADLER-Crawler Undercarriage F 17	Width: 725 mm - 1,125 mm (telescopicable)
Travel range	1.6 m
Feed system	Hydraulic engine with roller chain
Hydraulic impact head	1,740 lift/min. Holding sleeve up to 16 mm diameter
Oblique hammering	✓
Radio remote control for driving and hammering	✓
Transport dimensions (L / W / H)	3,250 / 900 / 1,950 mm
Weight of basic machine	from 1.4 t



3D mast swivel



Equipped with tool box and transport box for earthing rods



Including power generator with two sockets



Angular measuring unit for oblique hammering



ADLER B 25 lightning conductor in transport position

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Drill rig

B 25 Pile driver

- ▶ compact, versatile pile-driving tool – ideal for confined spaces
- ▶ low operating weight – high driving performance with up to 500 kg
- ▶ for steel- or micropiles up to 270 mm
- ▶ Mast tilt to the front 10°
- ▶ telescopic mast extension, 1 m (hydraulic)
- ▶ Pullmaster PL 5 with a winch capacity of up to 500 kg

Pile driving weight:
500 kg



Characteristics of B 25 Pile driver

Technical specifications

Drive unit (Kubota engine)	3 cyl. / 18.5 kW / 25 HP diesel
Tank capacity	30 l
ADLER-Crawler Undercarriage F 25	Width: 775 mm - 1,175 mm (telescopic)
Pile driving weight	500 kg
Winch	Pullmaster PL 5
Height with mast up	4,256 mm
Mast extension	1,000 mm
Transport dimensions (L / W / H)	3,200 / 800 / 1,900
Weight of basic machine	from 1.6 t



ADLER B 25 pile driver in use



Hydraulic mast extension 1,000 mm



ADLER B 25 – compact and versatile pile driver



Downed mast with halyard weight lock



Winch: Pullmaster PL 5



ADLER-Drill rigs for all fields of application

Flush drilling procedure

B-series drill rigs make flush drilling much easier. Drilling debris is quickly removed with little effort. Water containing flushing additives suited to the specific soil characteristics circulates in a loop. The additives in the water increase its load carrying capacity and support the bore hole wall. Our B-series allows you to reach great depths even when drilling without a casing.

With our products you can achieve drill depths of 100 m and diameters of up to 200 mm!

- ▶ **versatile use**
- ▶ **efficient drilling**
- ▶ **low noise**



**QR code for
product video!**



Sampling of material from the flush drilling water



Rod replacement during flush drilling procedure



2-step flush drill head with
swivel-out function on the B 50

Flush drilling procedure



Flush drilling with water circuit via a container



Breaker with hydraulic clamp – standard feature on all B-series models



Installation of a geothermal probe



Preventer



Drilling in livestock shed



Well drilling in a fully landscaped garden



QR code for product video!

Dry drilling procedure



Due to its compact design, the B50 with dry drilling equipment is also suitable for use in confined spaces



A magnetic winch supplies drilling accessories during the drilling process



Drilling debris removed by the auger



Easy drill auger control via the control panel



The auger is removed by swivelling out the drill head

Down-the-hole-hammer procedure

This drilling procedure enables you to drive down through hard ground, such as rock, granite and other stones using air and the appropriate down-the-hole-hammer. ADLER offer you down-the-hole-hammer equipment for its B-series. You will achieve outstanding drilling performance when you combine it with a high-performance compressor.

- ▶ easy to handle
- ▶ drilling through stone
- ▶ excellent drilling performance



QR code for product video!



3" down-the-hole-hammer with drill crown

B 50 mit Imlochhammerausrüstung



Lifting clamp with exchangeable jaws



Dry drilling with external support casing



Control panel for controlling the drill head



Drilling with hollow stem auger and universal joint



Working with the hollow stem auger



Hollow stem auger guided by the lifting clamp

Hollow stem auger procedure

Our drill rigs are ideal for drilling with a hollow stem auger. No flushing fluid is required here either. Are you interested in obtaining high-grade ground samples? If so, the hollow stem auger procedure with our drill rigs is the right solution. In addition, our B-series enables you to set up groundwater measuring points, create pillar foundations and use different systems for sampling.

- ▶ short set-up time
- ▶ quick processing
- ▶ high torque despite low operating weight



Probing using the hollow stem auger on a pontoon on the River Rhine



Easy disassembly of the hollow stem auger due to the swivel-out drill head

Geological explorations

The success of your construction project relies on subsoil assessment based on sampling and probing. Soil exploration drilling provides you with information on rock types and soil qualities on site. Small drilling tasks down to 15 m, pressure probing and soil density assessments by means of superficial percussion probing are possible. Depending on soil characteristics and depth, you may use lightweight or heavy probes for percussion probing. Our B-series delivers a reliable assessment of your construction project in many different ways!

The B-series is your universal tool for expert soil assessments.

- ▶ different test methods
- ▶ compact
- ▶ versatile



QR code for product video!



B 25 equipped with a percussion probing unit



Geological probing with the pile-driving probing unit or the hollow stem auger possible in alternation



Safe working with the ADLER-drill rig



Water drainage during core drilling



Dynamic probing with the ADLER-drill rig B 50



B 25 drill rig in use pulling cores



Magazine for test rods



Core drilling with single core drill pipe or double core drill pipe



Core drilling at a canal sluice

Probing for unexploded bombs

Even when probing for unexploded bombs, our drill rigs offer you the perfect solution. Dry drilling allows you to create space for soil probes at specific intervals. These can survey areas for signs of unexploded bombs. Experience shows that most unexploded bombs are at a depth of no more than 6 m and are therefore easy to reach with our B-series !

In addition to the ADLER-B 50 machines, the smaller B 25 has also proven to be highly efficient when probing for unexploded bombs.

- ▶ **low transport weight**
- ▶ **flexible and narrow**
- ▶ **good off-road mobility**



Customised solutions

In addition to our sturdy B-series drill rigs, we also offer tailored solutions produced to customer requirements. We thus work directly with you to develop custom-fit solutions. This enables us to sensibly adapt and complement our standard products and offer completely different kinds of product solutions, such as the 3D ram drill rig.



Probing to locate cavities.



B 75 with 3D sloping device incl. two mast supports



Mast lowering 1,000 mm



3D-ram drill rig with hydraulic hammer



Gear drill head with floating spindle on B 75 pro



Cable-crushing-lifting clamp in use



System trailer for drill rigs – a place for everything



B 25 Pile driver



Drill head with side shift on the B 25



Angular measuring unit



Protective bonnet for operator's platform with illumination



Head preventer with side outlet

With the right accessories your ADLER-drill rig becomes even more powerful



Universal joint with BOM 73.5 above, SW 41/51 below



Tow bar



Drill starter with endless screw of 80 mm available up to 324 mm



Different drill beginners and drill bits available



Pipe cutting shoe for Outside piping Ø from - mm to 324 mm



Removal clamp for the outside piping



Installation and lifting cap for the outer piping



Air compressor – drive via the drill rig



High-pressure fresh water pump



Oblique drilling device with mast supports



2-stage ADLER-geared boring head



2-stage drill drive with torques up to 620 daNm or revolutions up to 210 rpm



Powerful water pump 120 m³ / h at 8 bar – extendable for maintenance



Worm pump in use at Double core barrel drilling

With the right accessories your
ADLER-drill rig becomes even more powerful



Lifting clamps



Winch with 500 kg or 1,000 kg traction force (optional)



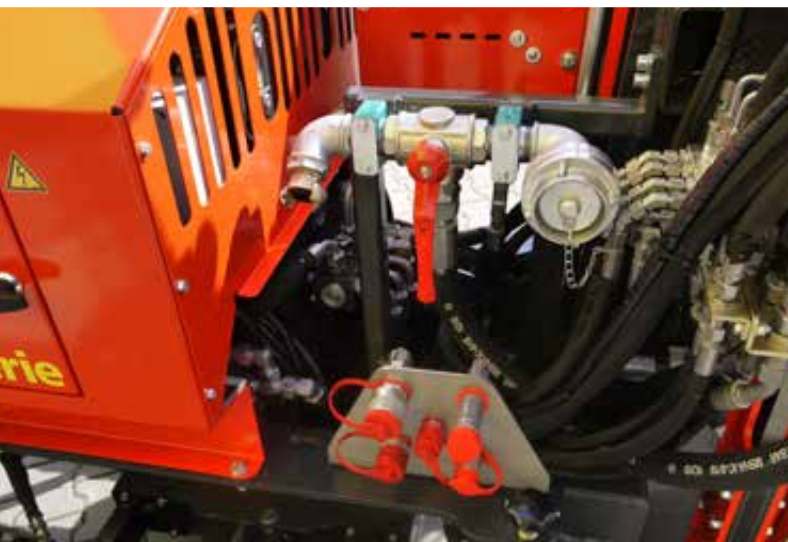
Mast bracket rigid or hydraulic for the rope deflection



Cable remote control for driving



Remote control for driving and drilling (optional)



Switching water to compressed air and additional hydraulic connections for accessories



Drill transport trailer dead weight 560 kg and gross vehicle weight 3,500 kg, incl. loading ramp



Hydraulic clamping bell (large/small) for breaking the drill pipes and the outer pipework up to 178 mm (only possible with large clamping bell)



Flush drill head, crushing device, hydraulic clamp and lifting clamp



One-level gear motor



Clamp crushing clamp



Hydraulic mast lowering 300 mm on the B 50 and B 75

With the right accessories your
ADLER-drill rig becomes even more powerful



Mud pump with flushing pressure display



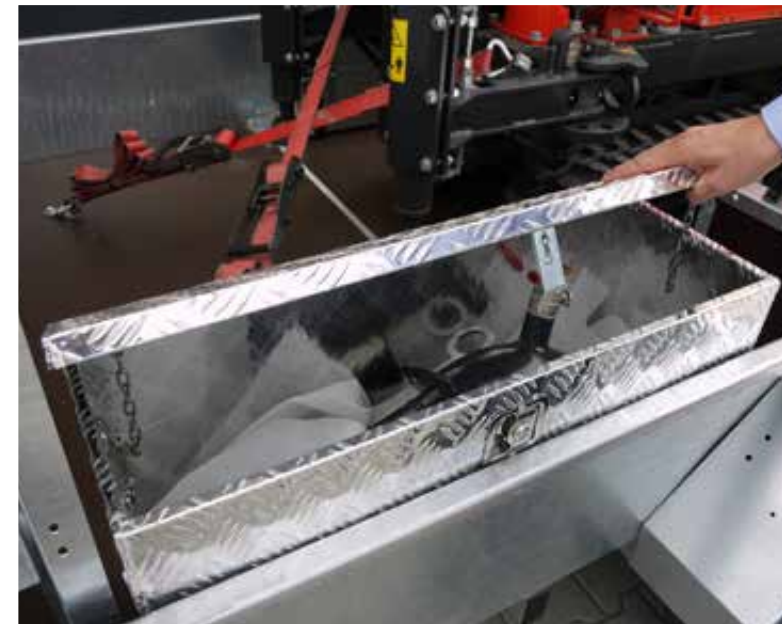
Mud pump on/off



Hydraulic mast arm with ropewalk



Down-the-hole hammer with various drill bits



Geothermal Probe Reel ESH 120 / 140

NEW!

- Compact and lightweight design made from durable hot-dip galvanised steel
- Simple lateral loading of the probes
- Designed for crane or forklift handling
- Type-tested through static load testing

At a Glance

ADLER Geothermal Probe Reel ESH 120 / 140

For the simple and secure installation of geothermal probes

The ADLER geothermal probe reel is an essential, type-tested tool designed for the efficient installation of geothermal probes. It enables smooth unwinding and precise insertion of the probes into the borehole, significantly simplifying and speeding up the installation process. Its robust construction made from hot-dip galvanised steel ensures excellent stability and long service life. Thanks to its compact design, the reel is easy to transport and simplifies on-site handling. For space-saving transport, the reel can be completely disassembled into individual components.

ADLER-Haspel		ESH 120	ESH 140
Width	mm	2,100	2,100
Height	mm	1,220	1,420
Depth	mm	1,220	1,420
Max. probe length*	m	140	200
Weight	kg	94	99
Payload	kg	1,000	1,000

* Twin U-probe 4.0 × 40.0 × 3.7 mm including injection pipe 32.0 × 3.0 mm



Easy hooking of the reel into the lifting frame



Reel enables safe and efficient insertion of the probe into the borehole



Adjustable inner diameter using locking pins to match the specific probe



Tool-free adjustment of the reel wheels to suit the respective probe package



Smooth sliding of the reel wheel after the probe has been equipped



Compact design allows for easy transport



Simple lateral insertion of probe packages



Two attachment points on the lifting frame as standard



ESH 120/140
TYPE-TESTED
THROUGH STATIC
LOAD TESTING



Powerful performance ...

Auger drive EHD series

- ▶ High-efficiency radial piston motor with strong torque
- ▶ Ideal for hard soils or compacted ground material
- ▶ Compact design with low overall height
- ▶ Perfectly suited for unexploded ordnance detection
- ▶ Maintenance-free operation
- ▶ Durable and robust construction
- ▶ Versatile application possibilities



NEW
The Power Pack



At a Glance

ADLER Auger Drive – EHD Series

Where others reach their limits, the ADLER Heavy-Duty Auger Drive EHD truly excels!

That's why the ADLER EHD Series features powerful radial piston motors, securely protected within a heavy-duty housing. Operation is possible via a single- or double-acting hydraulic circuit, enabling powerful and efficient drilling – even in hard ground, rock, or compacted material.

The auger drives can be mounted directly via the excavator's quick coupler – or alternatively using bolt-on attachment. An integrated universal joint ensures perfectly vertical drilling – regardless of the carrier's position.

Thanks to the generous pendulum travel of the EHD Series, smooth operation is possible without frequent adjustments to the excavator kinematics.

To protect the powerful drive and ensure long service life, a leakage oil line is required and comes as standard.

Accessories:

- ▶ Mounting Options: Quick coupler for excavators or universal adapter for wheel loaders, telehandlers, and front loaders
- ▶ Standard or heavy-duty augers with diameters ranging from 100 mm to 1,000 mm and various lengths
- ▶ Continuous flight augers in different diameters and lengths
- ▶ Additional coupling flanges for augers:
 - Hexagonal connector (female) SW 41
 - Hexagonal connector (female) SW 51 and additional adapter options available on request

ADLER Auger Drive	EHD 350	EHD 550	EHD 900	EHD 1400	EHD 2250
Drive Type	Hydraulic				
Hydraulic Pressure & Oil Flow (at 100 rpm)	250 - 350 bar > 70 l/min	250 - 350 bar > 100 l/min	250 - 350 bar > 158 l/min	300 - 450 bar > 180 l/min	300 - 450 bar > 272 l/min
Torque daNm	350	550	900	1.400	2.250
Weight* kg	185	260	265	360	370
Side Tilt Angle	25°	30°	30°	30°	30°
Front/Rear Tilt Angle	30°	30°	30°	30°	30°

* Weight without mounting system



The EHD drive in use with a continuous flight auger for unexploded ordnance (UXO) detection



The extra-strong EHD drive – designed for bore diameters up to 1,000 mm



Powerful radial piston motor with high efficiency ...



... securely protected within a robust housing



Simple handling – thanks to the integrated 2D pendulum travel

Off we go into the rough terrain!

Crawler Undercarriage F-series

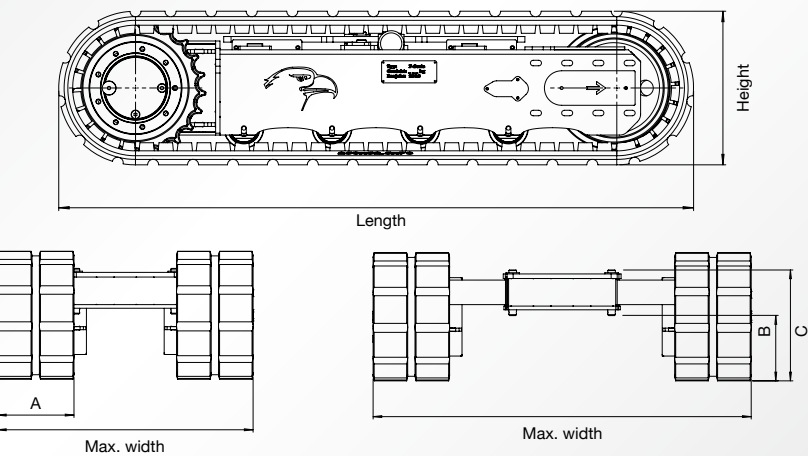
- ▶ Perfectly suitable for industrial, agricultural and construction machinery
- ▶ Chassis hydraulically telescopable
- ▶ Available without center section
- ▶ Two speed levels
- ▶ Standard equipment includes four lashing points
- ▶ On option, customer-specific adaptations possible



Profile ADLER-Crawler Undercarriage F-series

We don't really like deadlocked situations!

The stable and long-life ADLER-Crawler Undercarriages are the ideal solution and advantage where wheels can squeeze or damage the ground surface because of punctual pressure. They allow high stability and maneuverability in multiple application areas. No matter what – Drill Rig, lifting platform, crane or harvester – the extendable ADLER- Crawler Undercarriages make your machine a flexible off-roader.



ADLER-Crawler Undercarriage F-series	F 17	F 25	F 30	F 35	F 45	F 60	F 75
Load capacity incl. undercarriage kg	1.700	2.500	3.000	3.500	4.500	6.000	7.500
Load capacity excl. undercarriage kg	1.380	2.110	2.550	2.815	3.660	4.625	5.850
Weight kg	320	390	450	685	840	1.375	1.650
Length mm	1.344	1.446	1.699	1.728	1.952	1.952	2.523
Min. width mm	725	775	780	835	1.000	1.200	1.300
Max. width mm	1.125	1.175	1.180	1.235	1.400	1.600	1.700
Height mm	336	336	336	418	452	560	560
Chain width A mm	180	230	250	250	300	400	400
Pass-over height B mm	182	182	168	232	235	260	243
Height in extended position C mm	286	289	285	349	358	475	478
Speed km/h	2,6 / 5,2	2,6 / 5,2	2,6 / 5,2	2,2 / 3,5	2,2 / 3,5	2,8 / 5,3	2,4 / 4,7
Max. oil flow per motor l/min	20	20	20	35	35	55	55
Max. torque value per motor Nm	1.443	1.607 / 798	1.607 / 798	4.820 / 3.015	4.820 / 3.015	6.970 / 3.690	10.465 / 5.420
Max. pressure bar	200	200	200	200 / 240	200 / 240	200 / 220	200 / 280



ADLER-Drill Rig on ADLER-Crawler Undercarriage



A stable steelwork assures long durability of the extendable ADLER-Crawler Undercarriages



The center piece of the undercarriage has many fixing points for customer-specific use



The undercarriages can be manufactured either hydraulically telescopable or without a center section



Quality motors assure a good torque value and guarantee the excellent ADLER performance, as usual



PRODUCING QUALITY.



www.adler-arbeitsmaschinen.de



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