ADLER®
ARBEITSMASCHINEN

PRODUCING QUALITY.









Our **Drill Rig Range**

Ideal for:

Well drilling
Geothermal drilling
Geological explorations
Explosive ordnance detection
Probe drilling
Screw foundations
Special-purpose machines

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

Transpo-tation on lorry required starting from series B 50

Can pass through doorways

DEVELOPED & PRODUCED IN GERMANY



B 25

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

down to 50 m!

more on page 6



B 50

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

down to 100 m!

more on page 8

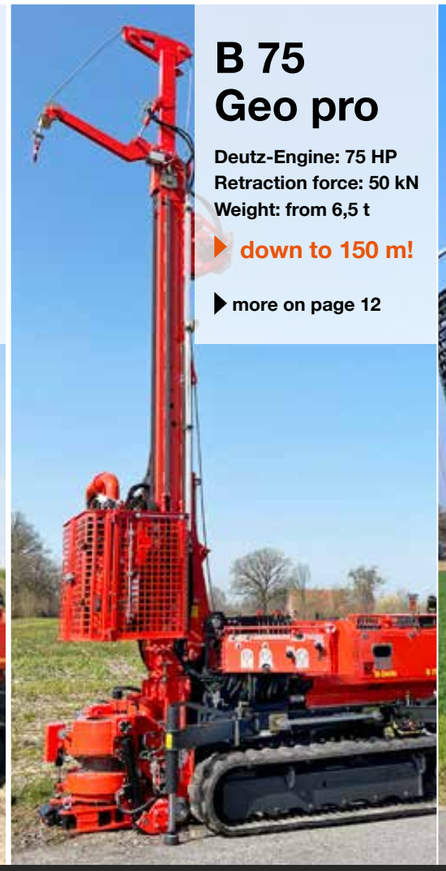


B 75 pro

Deutz-Engine: 75 HP
Retraction force: 50 kN
Weight: from 3,9 t

down to 150 m!

more on page 10



B 75 Geo pro

Deutz-Engine: 75 HP
Retraction force: 50 kN
Weight: from 6,5 t

down to 150 m!

more on page 12

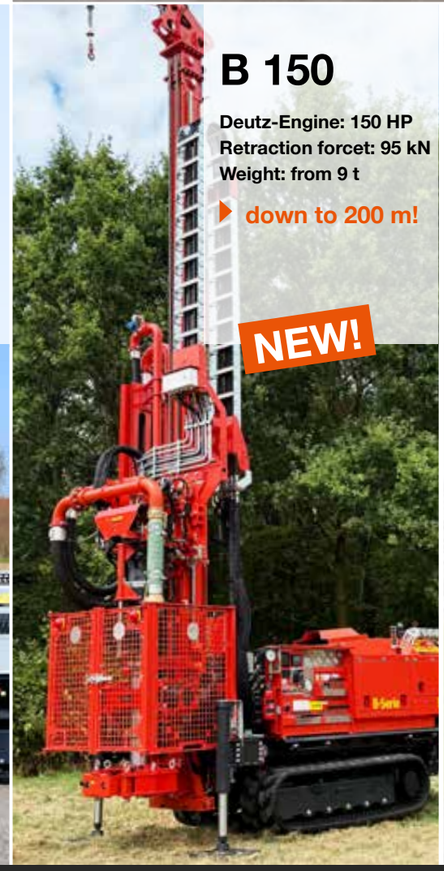


B 75 3D-Drill

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

more on page16

Universally Usable



B 150

Deutz-Engine: 150 HP
Retraction forcet: 95 kN
Weight: from 9 t

down to 200 m!

NEW!



B 200

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

down to 250 m!

more on page 22



Attachment Drill Rig

ABL

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

more on Page 28

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.



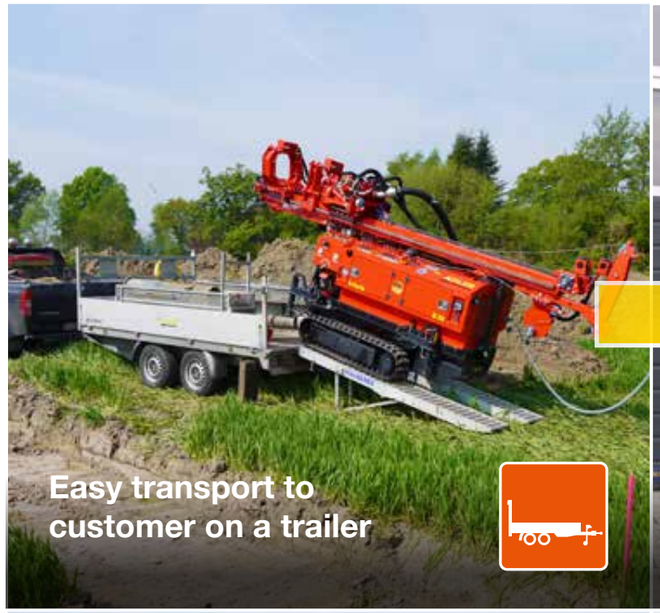
ADLER-drill rigs
B 25 to B 50

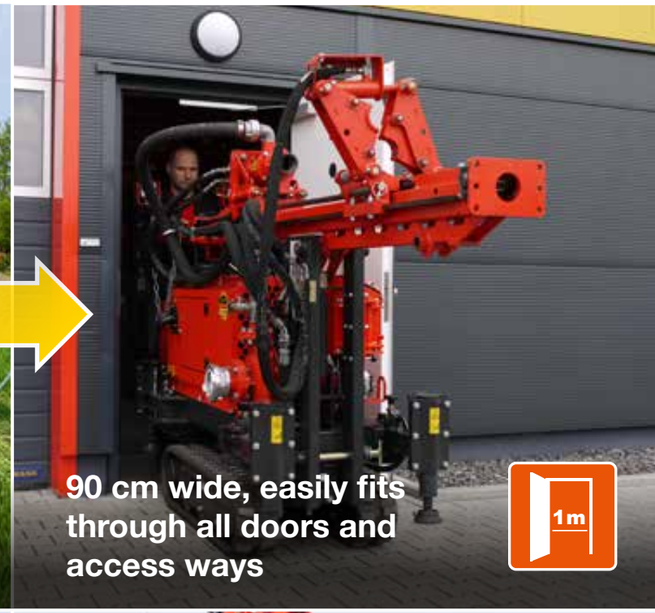
save time
- quickly transported
- short set-up times
- start work without delay

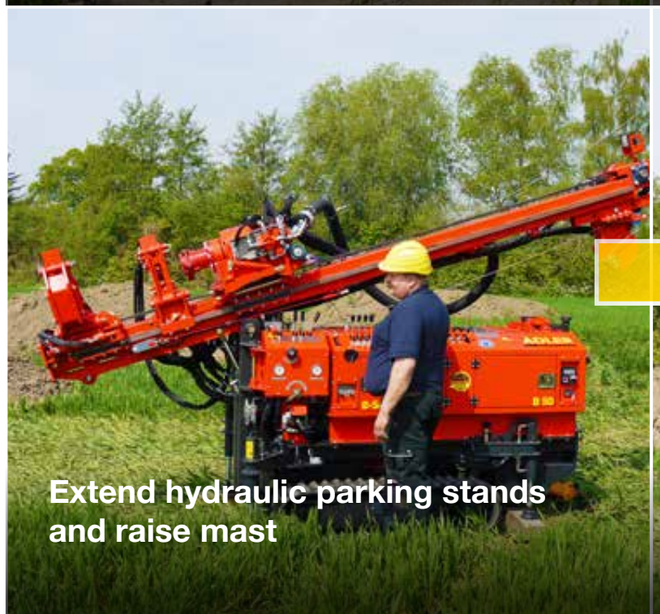
reduce costs
- maximum price-performance
- low investment costs
- easy maintenance

impress customers
- gentle on gardens
- fits through standards doors
- Engine with noise insulation

DEVELOPED & PRODUCED IN GERMANY









ADLER ARBEITSMASCHINEN

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 32

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 (telescopable) Width: 775 mm - 1,175 mm (telescopable)
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): 2,200 Nm / 45 rpm 2nd gear (fast): 1,100 Nm / 90 rpm Other speeds and torques possible
Mud pump	max. 70 m³/h - max. 4,5 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

** depending on equipment



Optional for B 25: Lifting clamp for drilling cased boreholes



Winch with 5 kN (500 kg) tractive force



Geared drill head with two switching stages mechanisch oder elektrisch schaltbar



Safety device around rotating pipe fitted as standard



B 25 with offset drilling attachment



Operating station with all drill functions – pivot mechanism

DEVELOPED & PRODUCED IN GERMANY

ADLER ARBEITSMASCHINEN

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 30	Width: 780 mm - 1,180 mm (telescopable)
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: 2,000 Nm / 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): 4,400 Nm / 50 rpm 2nd gear (fast): 2,200 Nm / 100 rpm Other speeds and torques possible
Mud pump	hydr. up to 70 m³/h or up to 5.5 bar HighFlow (optional) up to 95 m³/h – or up to 5.5 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	standard
Cable remote control for driving and drilling	optional
Transport dimensions L / W / H **	4,280 x 1,010 x 2,225 mm (mit Schutzeinrichtung)
Weight of basic machine	from 2.7 t

** depending on equipment



ADLER B 50 – a high-performance machine, optionally with hydraulic clamping bell



Multi-stage drill head , foldable, incl. winch with impact unit and mast extension



Clear operating unit for controlling the drilling rig



Lifting clamp and hydraulic linkage breakaway clamp



Mud pump “on board”



DEVELOPED & PRODUCED IN GERMANY

ADLER ARBEITSMASCHINEN

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 (telescopable)
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 and flyer chain
Drill drive	mechanical swivel (optional hydraulic)
Hydraulic drill head with transmission (2-speed) clearance 2 1/2“ (electrically selectable)	1st gear (slow): 4,400 Nm / 50 rpm 2nd gear (fast): 2,200 Nm / 100 rpm Other speeds and torques possible
Mud pump	Single-stage centrifugal pump, hydraulic, up to 100 m³/h or up to 5 bar HighFlow (optional) up to 120 m³/h – or up to 5 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 / 1,010 / 2,675 mm (with protective device)
Weight of basic machine	from 3.9 t

** depending on equipment



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



ADLER® ARBEITSMASCHINEN

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**

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 (telescopable)
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 and flyer chain
Drill drive	hydraulically shiftable
Hydraulic drill head with transmission (2-speed), 4“ clearance Transmission (3-speed), elec. switchable	1st gear: 4,900 Nm / 40 rpm 2nd gear: 2,540 Nm / 80 rpm 3rd gear: 1,230 Nm / 160 rpm andere Drehzahlen und Drehmomente möglich
Suction pump	160 m³/h, Durchgang 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
rope percussion unit lifting force / stroke / frequency	7.5 kN / 340 mm / 0-60 1/min
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

** depending on equipment



Suction pump



Mast crown with rope sling



Piping turntable



Piping turntable in transport position



ADLER B 75 geo pro with suction drilling equipment

Drilling procedure with the drill rig B 75 geo pro

DEVELOPED & PRODUCED IN GERMANY

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)









DEVELOPED & PRODUCED IN GERMANY

Universally Usable

ADLER ARBEITSMASCHINEN

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**



Characteristics 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 **	4,980 / 1,528 / 2,548 mm (without protective equipment)
Base unit weight	from 5.5 t

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

** depending on equipment



Clamp-break lifting clamp and lower clamp



Drill mast equipped with three mechanical angle indicators



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

ADLER B 75 3D-Drill
Maximum flexibility in narrow conditions

DEVELOPED & PRODUCED IN GERMANY

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**



















ADLER® ARBEITSMASCHINEN

Drill Rig B 150

NEW

- **Powerful drilling rig, from 9 t**
- **Only 130 cm wide**
- **Single-head drilling drive with torques of up to 9,800 Nm**
- **Retraction force 95 kN / drill string 4 m or 2 x 2 m**
- **Fitted as standard with 500 mm mast lowering**
- **Easy to operate via remote control**
- **Optional accessories such as a generator with an output of 15.1 kVA, high-pressure cleaner and much more.**

*) The depth may vary slightly upwards or downwards depending on the drilling method and soil conditions.

Profile B 150

Technical data

Drive unit Deutz-Motor	4 cyl. / 110 kW at 2.000 U/min / 150 hp siesel (emission level 5)
Tank capacity	150 l
ADLER Crawler chassis F 75	Width: 1.300/1.700 mm Length: 2.523 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	bis 55 kN
Retraction force	95 kN
Mast lowering 500 mm	as standard
Feed system	via hydraulic cylinder
Drilling drive	Laterally adjustable by 600 mm
Single-drill head, top (drill pipe)	
Torque / speed	M1 = 9.800 Nm n1 = 36 (48) rpm M2 = 6.400 Nm n2 = 55 (73) rpm M3 = 4.900 Nm n3 = 72 (96) rpm M4 = 3.200 Nm n4 = 110 (146) rpm
Operating pressure / Flow rate:	250 bar / 90 (129) l/min
Free passage	95 mm
Double drill head, bottom (casing)	
Torque / speed	up to 20.000 Nm / 44 rpm
Operating pressure / Flow rate	270 bar / 100 rpm
Flushing passage	150 mm (without protective tube)
Other speeds and torques possible	
Drill head	tiltable 45°
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	clamping range 219 mm / clamping force 245 kN stroke 400 mm / lifting force 198 kN / breakaway torque 18 kNm
Bottom clamp	max. clamping range 324 mm / clamping force 58 kN
Hydraulic rope winch	max. lifting force 10 kN / max. rope speed 50 m/min Rope diamete 9 mm / max. rope length 75 m
Mast extension	Hook load 15 kN / extension 835 mm Distance from center 700 mm
Wired remote control for driving and drilling	as standard
Transport dimensions L / W / H **	8.212 mm / 1.300 mm** / 2.875 mm
Weight of basic machine	from 9 t

** depending on the equipment

Hydraulic folding mast boom with a hook load of 15 kN for convenient feeding of the drilling tool

Drill head can be tilted up to 45°



High-performance water pump with a flow rate of up to 120 m³/h or a maximum pressure of 12 bar



Second radio remote control for easy operation of the winch (optional)



B 150 with the drilling mount folded away, ready for loading for transport to the construction site



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



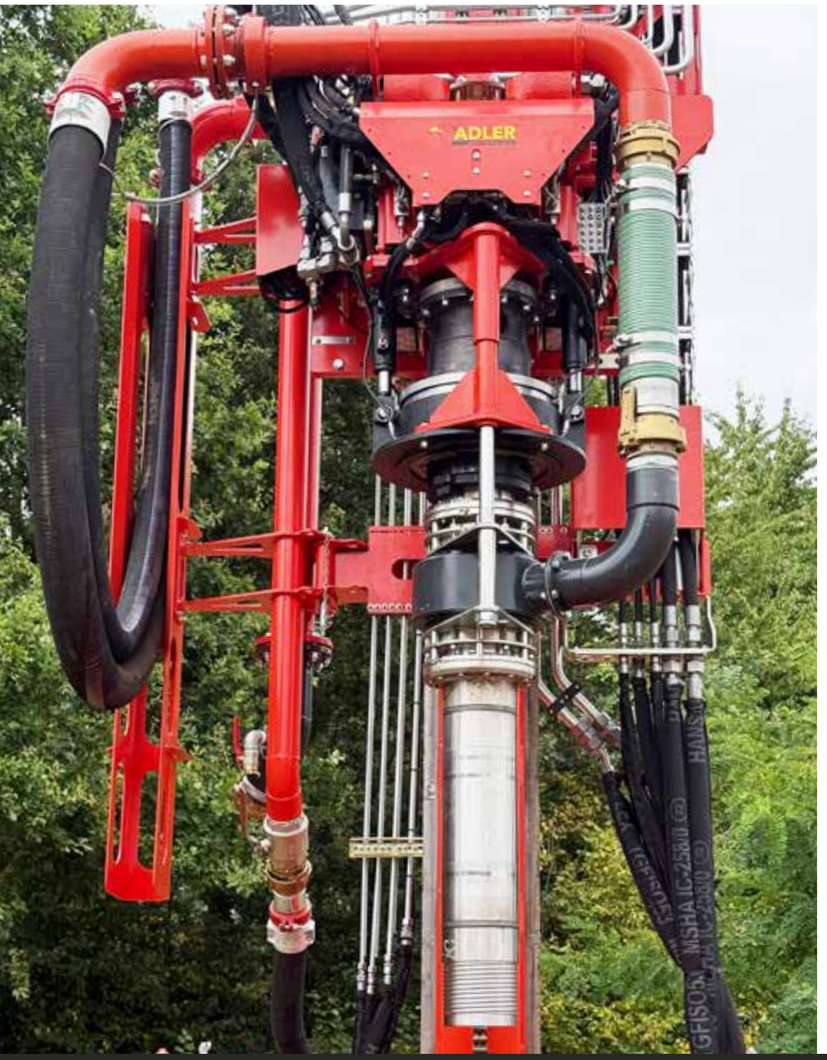
Ergonomic remote control for all driving and drilling operations (wireless or wired)

ADLER B 150 drill rig – full performance in a compact design

DEVELOPED & PRODUCED IN GERMANY

The ADLER B 150 is the compact counterpart to the B 200 – designed for drilling work in confined spaces. With a width of just 130 cm and a weight starting at 9 t, the drilling rig can reach even hard-to-access sites via narrow paths, for example at existing buildings.

Despite its compact dimensions, the B 150 is capable of drilling to depths of up to 200 m. A key advantage is that the rig can often be driven directly to the site, thereby avoiding the time-consuming and costly need to use a crane to hoist the drilling rig into position.











ADLER B 150 accessories









Top quality –
Made in Germany.
A genuine ADLER!

DEVELOPED & PRODUCED IN GERMANY





Optional: Double-head drilling drive with clamping bell for the simultaneous running of the drill pipe and outer casing during overlying boreholes









ADLER® ARBEITSMASCHINEN

Drill Rig
B 200

- **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**

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

** depending on equipment



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



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)



Ergonomic remote control for complete driving and drilling operations

ADLER B 200 Drill Rig – Power for Great Depths

DEVELOPED & PRODUCED IN GERMANY

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

ADLER ARBEITSMASCHINEN

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.

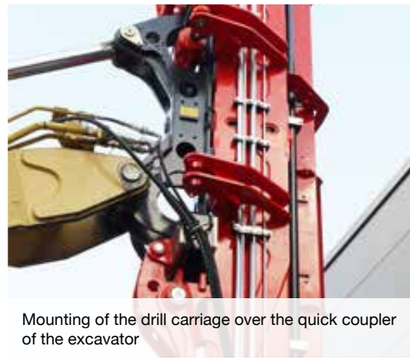
This guarantees a high degree of flexibility and a wide range of possible applications for individual production and high economic efficiency.



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.

WIR ENTWICKELN & PRODUZIEREN IN DEUTSCHLAND

Suitable for trailers, approved up to 3.5 t

Can pass through doorways

Here you will find all the information about our range of drill rigs



B 25 SF

Screw-in drill rig for screw-in foundations with a torque up to bis zu 17,000 Nm

more on page 40



B 25 SF Electric

Electric screw-in drill rig for screw-in foundations with a torque up to bis zu 12,000 Nm

more on page 42



B 25 Uni

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

more on page 44



B 25 Electric

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

more on page 46



B 25 Lightning conductor

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

more on page 48



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 50

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ADLER ARBEITSMASCHINEN

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**
- **automatic vertical alignment of the mast**
- **automatic chassis leveling**

up to 17,000 Nm

1m

Characteristics of B 25 SF

Technical specifications

Drive unit (Kubota D1105 Motor)	3 Zyl. / 18.5 kW / 25 HP diesel
Tank capacity	35 l
ADLER-Crawler Undercarriage F 25	Width 905 mm – 1,305 mm (telescopable)
Support feet	4 x hydraulic
Travel for screw foundations	3.25 m
Feed	17.5 kN
Retraction force	1,000 mm
Mast lowering	Hydraulic motor with duplex chain
Hydraulic gear drill head	max. 17,000 Nm, max. 30 U/min
Offset drilling	up to 45° front tilt
Cable remote control for driving and drilling	standard
Transport dimensions L / W / H **	4,881 / 1,016 / 2,142 mm
Weight of basic machine	approx. 2.7 t

** depending on equipment



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





15° mast inclination to the right/left, overtilt 12°



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



Hydraulic clamp for guiding the screw foundations



Four hydraulic support legs as standard



ADLER®
ARBEITSMASCHINEN

Electric screw-in drill rig for screw-in foundations

B 25 SF Electric

- **High-performance electric screw-in drill for the quick and easy installation of screw foundations**
- **Ideal for use with screw foundations in fencing, traffic and signage systems, photovoltaic installations, landscaping, and hall and timber construction**
- **Operating time of 6–8 working hours under normal load / charging time approx. 2 hours**
- **Automatic vertical alignment of the mounting**
- **Low noise emissions – also suitable for noise-sensitive construction sites**
- **Low maintenance costs thanks to the electric drive**

Steckbrief B 25 SF Elektric

Technical specifications

Drive unit	Hydraulic power unit: 8.4 kW electric motor Drill head: 13 kW, fully electric
Battery	400 V DC / 40 kWh
Charging	AC 22 kW (400 V) / DC 40 kW
Connection	CCS2
Drive system	hydraulic
ADLER-Crawler Undercarriage F 30 High	Width 905 – 1.305 mm (telescopable)
Support feet	4 x hydraulic
Feed length	2.200 mm
Pullback force	17,5 kN
Mast lowering	1.000 mm
Feed speed	max. 0,7 m/s
Feed system	Hydraulic motor with a duplex circuit
Feed speed (electric)	Continuous torque = 10,000 Nm, Maximum torque = 12,000 Nm (for short periods), n = 3–30 rpm, 13 kW, 230 V AC
Swivel bracket – tilt left/right	15°
Overtilt	12°
Angled drilling	up to 45° forwards
Operation	Radio remote control, except for track gauge
Transport dimensions L / W / H	4.225 / 1.000 / 2.000 mm
Working position L / W / H	4.376 / 1.625 / 3.683 mm
Machine weight	approx. 3,0 t



Powerful 13 kW electric motor


15° mast tilt to the right/left, overtilt 12°


Optional hydraulic clamp for guiding the screw foundations



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


Angled drilling up to 45° forwards


22 kW AC and 40 kW DC charging is possible even whilst the vehicle is in operation

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ADLER ARBEITSMASCHINEN

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 (telescopable) Width: 775 mm - 1,175 mm (telescopable)
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 motor with duplex chain
Hydraulic drill head with lateral rinsing head clearance 2	ABK 400: 1,200 Nm / 90 rpm
Hydraulic drill head with transmission (2-speed) clearance 2 1/2““	1st gear (slow): 2,200 Nm / 45 rpm 2nd gear (fast) 1,100 Nm / 90 rpmn Other speeds and torques possible
Mud pump	max. 70 m³/h - max. 4,5 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 **	3,850 x 1,120 x 2,190 mm (with safety guard)
Weight of basic machine	from 2.0 t

** depending on equipment



Trial drilling with a hollow-stem auger or dynamic probing can be carried out alternately by swivelling the dynamic probing unit into position.



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

DEVELOPED & PRODUCED IN GERMANY

ADLER ARBEITSMASCHINEN

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 (telescopable) Width: 775 mm - 1,175 mm (telescopable)
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 motor 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): 2,200 Nm / 45 rpm 2nd gear (fast): 1,100 Nm / 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

** depending on equipment



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

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ADLER ARBEITSMASCHINEN

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!

1m

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 (telescopable)
Travel range	1.6 m
Feed system	Hydraulic motor 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

** depending on equipment



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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ADLER ARBEITSMASCHINEN

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



Steckbrief B 25 Pfahlramme

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 (telescopable)
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

** depending on equipment



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 ARBEITSMASCHINEN

ADLER-Drill riges **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

QR code for product video!



Drilling in livestock shed



Well drilling in a fully landscaped garden

Dry drilling procedure



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



Easy drill auger control via the control panel



The auger is removed by swivelling out the drill head



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



Installation of a geothermal probe



Preventer



A magnetic winch supplies drilling accessories during the drilling process



Drilling debris removed by the auger

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

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



Drilling with hollow stem auger and universal joint



Working with the hollow stem auger



Hollow stem auger guided by the lifting clamp

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







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



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



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



Air compressor – drive via the drill rig



Oblique drilling device with mast supports



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 - 152 mm to 324 mm



Removal clamp for the outside piping



Installation and lifting cap for the outer piping



High-pressure fresh water pump



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





Hydraulic mast arm with ropewalk



Mud pump on/off



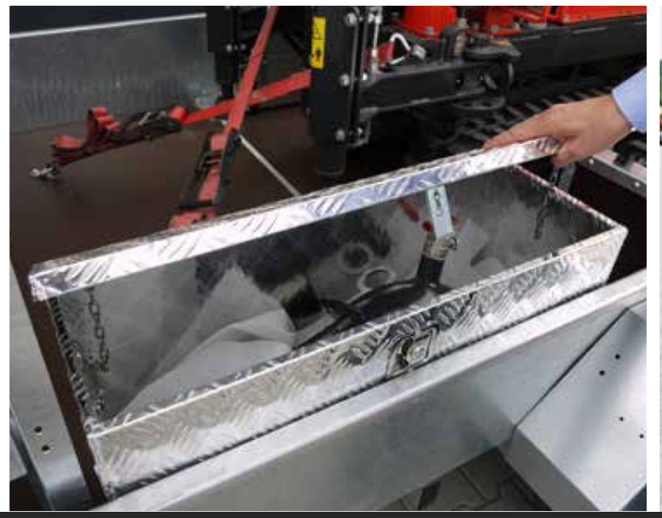


Down-the-hole hammer with various drill bits











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ADLER ARBEITSMASCHINEN

Geothermal Probe Reel ESH 120 / 140

NEW!

- For easy installation of geothermal probes/injection pipes into the borehole
- 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

ESH 120/140
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 with probe reel for trouble-free transport



Simple lateral insertion of probe packages



Two attachment points on the lifting frame as standard



ADLER ARBEITSMASCHINEN

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**

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, hydraulic quick couplings: e.g. Qilquick Likufix, Solidlink , etc
- 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

ADLER ARBEITSMASCHINEN

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**



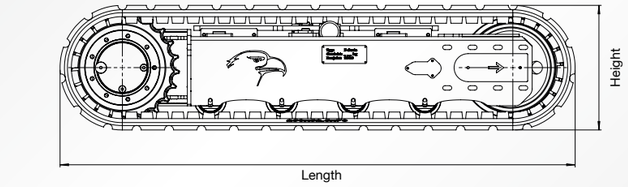


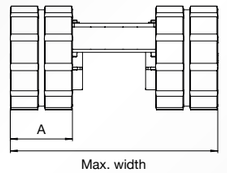
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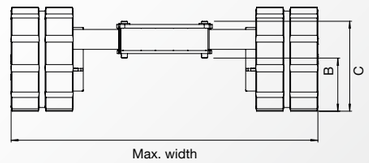
ADLER-Crawler Undercarriage F-series

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



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



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



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

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All information in this brochure is based on the best knowledge available to us and has been carefully checked. No liability is accepted.
2026/05 (GB) We reserve the right to modify dimensions, weight and technical data.

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