

Portable Bohreinheit PB250 (Keller Version)* Portable drilling unit (basement version)*



areas of application

Range of application

anchor drilling

Anchor drillings

injection anchor drilling

Injection anchor drillings

Blast hole drilling

Blast hole drillings

Exploratory and rotary drilling

Exploratory and rotary drillings

foundation safeguards

Foundation safety

➔ Portable drilling units Portable drilling unit

➔ Portable drilling units Portable drilling unit

The model impresses with the following features:

- Compact modular design
- Low weight due to the use of aluminum components
 - All assemblies can be dismantled into portable individual parts
 - Quick and safe positioning of the drilling unit in the required position using the Use of floor plate and ceiling support
- Suitable for various drilling methods and drilling diameters
 - Problem-free work in unventilated rooms thanks to an external multi-gym

The model stands out with the following characteristics:

- Compact modular design
- Low dead weight by using aluminium components
 - Dismantling of all modules into portable individual parts
 - Fast and secure positioning of the drilling unit in the required position through the use of base plate and ceiling support
- Suitable for a variety of drilling methods and drilling diameters
- Trouble-free working in unventilated rooms thanks to external power pack

Toolbox TB250



For safe keeping
and comfortable transportation.

For secure storage and convenient
transportation.

Portable Bohreinheit PB250 (Keller Version)

Portable drilling unit (basement version)

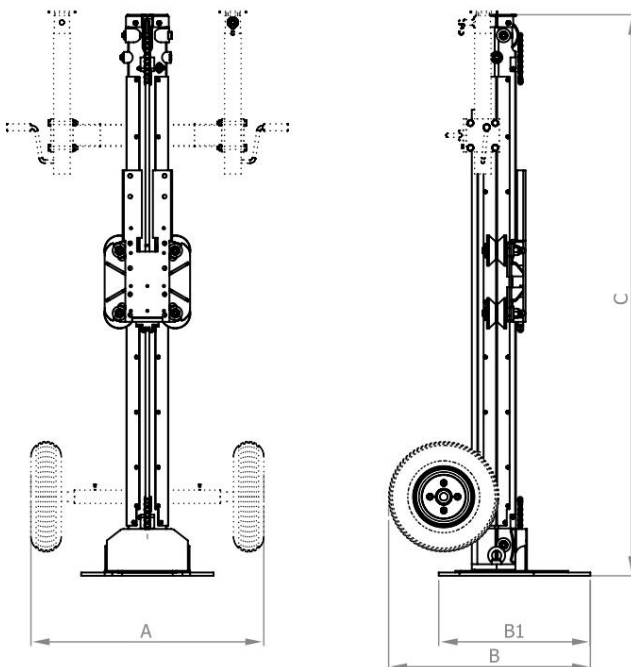
The recurring problems with regard to statics, dimensioning and safety during refurbishment or conversion work often require post-foundation work on the existing building foundations.

A compact, versatile and proven for many years
Equipment for this is the portable drilling unit PB250

Morath. We recommend the Morath Toolbox TB250 for safe storage and convenient transport of the drilling unit.

The constantly recurring problems encountered in renovation or alteration work with regard to statics, dimensioning and safety often require the repair of the existing building foundations.

A compact, versatile piece of equipment for this, proven over many years, is the portable drilling unit PB250 from Morath. For secure storage and convenient transportation of the drilling unit, we recommend the Morath Toolbox TB250.



Technical data without consideration of efficiency. Subject to errors and changes.

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Technical specifications

Technical data

External power supply

Permissible operating pressure	180 bar
Permissible operating pressure	
Permissible oil temperature	75°C
Permissible oil temperature	

Bohrturm//Drilling rig

Max. feed length //Max. feed length	1.400 mm
Max. feed force //Max. feed force	7.500 N
Max. retraction force //Max. retraction force	11,000 N

Control stand//Controlling stand

Proportional valve technology with 3-way pressure compensator
Proportional valve technology with 3-way pressure compensator

Compressed air system with lubricator and two
Air blast and hammer switching valves

Compressed air system with lubricator and two
valves for flushing and hammer

Number of sections //Number of sections	4
1st Section (Feed advance)	16 l/min
2nd Section (Rotation) //2nd Section (Rotation)	40 l/min
3rd Section (Percussion) //3rd Section (Percussion)	63 l/min
4th Section (Spannzange) //4th Section (Clamping)	16 l/min

Dimensions //Dimensions

A	750–850 mm
B / B1	730 mm / 550 mm
c	2.040 mm
Total weight** //Total weight**	65 kg

* Export outside EU only // * For export outside EU only

** Basic unit, without equipment // ** Basic unit, without equipment

Accessories

Accessories

ÿ Hydraulikhämmer //Hydraulic hammers

ÿ Rotary motors //Rotary heads

ÿ Mounting plates ÿ Hydraulic clamping

devices

Hydraulic clamping devices

ÿ Central lubrication systems //Central lubrications

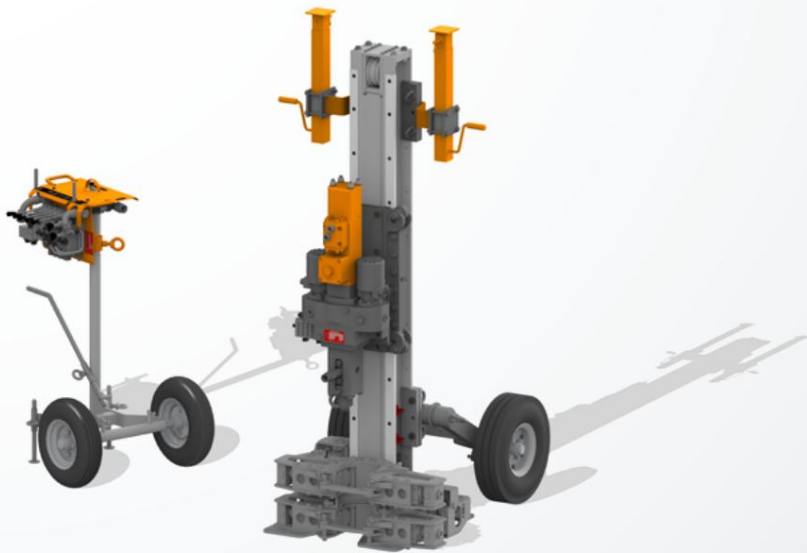
ÿ Toolbox TB250 //Toolbox

ÿ Hydraulikaggregate //Hydraulic power packs

ÿ The injection station //Injection units

Portable Bohreinheit PB255 (Keller Version)*

Portable drilling unit (basement version)*



areas of application

Range of application

anchor drilling

Anchor drillings

injection anchor drilling

Injection anchor drillings

Blast hole drilling

Blast hole drillings

Exploratory and rotary drilling

Exploratory and rotary drillings

foundation safeguards

Foundation stabilisation

➔ Portable drilling unit

➔ Portable drilling unit

The model impresses with the following features:

- Compact modular design
- Low weight due to the use of aluminum components
 - All assemblies can be dismantled into portable individual parts
 - Fast and safe positioning of the drilling unit in the required position with the help of base plate and ceiling support
- Suitable for various drilling methods and drilling diameters
 - Problem-free work in unventilated rooms thanks to an external multi-gym

The model stands out with the following characteristics:

- Compact modular design
- Low dead weight by using aluminium components
 - Dismantling of all modules into portable individual parts
 - Fast and secure positioning of the drilling unit in the required position due to base plate and ceiling support
 - Suitable for a variety of drilling methods and drilling diameters
 - Trouble-free working in unventilated rooms thanks to external power pack

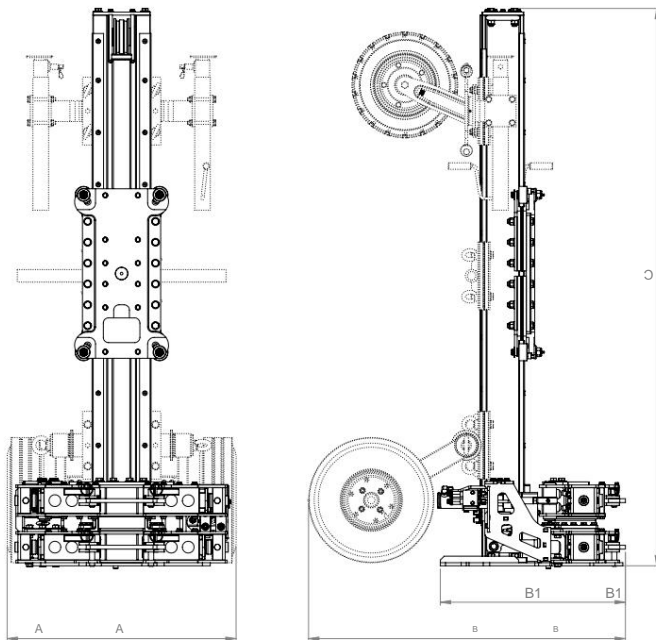
Portable Bohreinheit PB255 (Keller Version)

Portable drilling unit (basement version)

The portable drilling unit PB255 is ideal for post foundation work inside buildings.

Due to its extremely compact design, even inaccessible drilling positions can be reached. The low overall weight enables comfortable maneuvering and setting up of the drilling rig. Thanks to the proven Morath modular system, a wide range of drilling methods and diameters can be implemented with the PB255 be ted.

The portable drilling unit PB255 is suited exceptionally well for post-foundation works within buildings. Its extremely compact design allows drilling in even inaccessible positions. Moreover, the low total weight enables an efficient manoeuver and set-up of the drilling unit. Due to the proven MORATH-modular system, the PB255 performs most various drilling tasks and diameters.



General tolerances according to DIN ISO 2768-mS
Welded construction according to DIN ISO 13920-BF

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or be communicated in part.

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Technical specifications

Technical data

External power supply

Permissible operating pressure	200 bar
Max. operating pressure	
Permissible oil temperature	75°C
Max. oil temperature	

Bohrturm//Drilling rig

Max. feed length //Max. feed length	1.200 mm
Max. feed force //Max. feed force	20.800 N
Max. retraction force //Max. retraction force	28,050 N

Control stand//Controlling stand

Proportional valve technology with 3-way pressure compensator	
Proportional valve technology with 3-way pressure compensator	
Compressed air system with lubricator and two switching valves for blast air and hammer // Compressed air system with lubricator and two valves for flushing and hammer	
Number of hydraulic sections	6

Dimensions //Dimensions

A	878 mm
B / B1	1.214 mm / 710 mm
C	2.138 mm
Weight** //Weight**	165 kg

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** Basic unit, without equipment // ** Basic unit, without equipment

Accessories

Accessories

- Hydraulikhämmer //Hydraulic hammers
- Rotary motors //Rotary heads
- Mounting plates • Hydraulic clamping devices
- Hydraulic clamping devices
- Central lubrication systems
- Toolbox TB250 //Toolbox
- Hydraulikaggregate //Hydraulic power packs
- The injection station //Injection units

A3 A3 Weight [kg] scale Weight [kg] scale
material material 1:12 1:12

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Portable drilling unit PB260 (Alpine version)* Portable drilling unit (alpine version)*



areas of application

Range of application

anchor drilling

Anchor drillings

injection anchor drilling

Injection anchor drillings

overburden drilling

Overburden drillings

Blast hole drilling

Blast hole drillings

Exploratory and rotary drilling

Exploratory and rotary drillings

avalanche barrier

Avalanche barriers

slope protection

Slope stabilisations

➔ Portable drilling units Portable drilling unit

➔ Portable drilling units Portable drilling unit

The model impresses with the following features:

• Compact modular design • Low dead

weight through the use of aluminum components

- All assemblies can be dismantled into portable individual parts
- Quick and safe positioning of the drilling unit in the required position using the Combination of different brackets based on scaffold tubes

• Suitable for a wide range of drilling processes and drilling diameters

• Optimum adaptation to the circumstances thanks to a large selection of products and possible combinations

The model stands out with the following characteristics:

• Compact modular design

• Low dead weight by using aluminium components

- Dismantling of all modules into portable individual parts
- Fast and secure positioning of the drilling unit in the required position through the combination of a large variety of brackets on scaffolding tube basis
- Suitable for a variety of drilling methods and drilling diameters

• Optimum adaptation to local conditions thanks to the large product range and combination possibilities

Toolbox TB250



For safe storage and convenient transport.

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Portable drilling unit PB260 (Alpine version)

Portable drilling unit (alpine version)

The expansion and safeguarding of buildings, transport networks and living space is a central topic at the

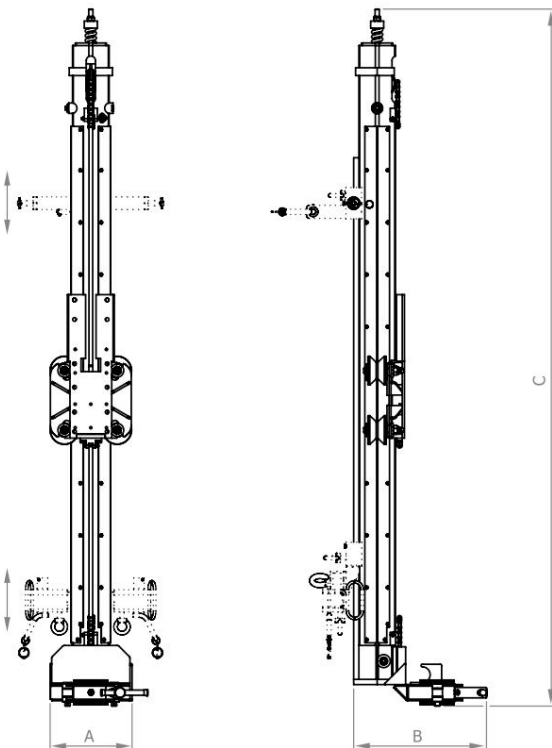
time. Added to this is the accumulation of natural hazards and extreme environmental conditions. Through various active measures such as fall protection structures, avalanche protection, protective wall renovations, retaining walls, embankment nailing, etc., an attempt is made to achieve optimum safety.

A compact, versatile and proven for many years Equipment for this is the portable drilling unit PB260 Morath. We recommend the Morath Toolbox TB250 for safe storage and convenient transport of the drilling unit.

The expansion and securing of buildings, transport networks and living space is a central theme of our times.

Added to this is the increasing frequency of natural hazards and extreme environmental conditions. Through various active measures such as drop structures, avalanche protection, renovation of protective barriers, retaining walls, slope nailing etc. attempts are made to achieve optimum safety.

A compact, versatile piece of equipment for this, proven over many years, is the portable drilling unit PB260 from Morath. For secure storage and convenient transportation of the drilling unit, we recommend the Morath Toolbox TB250.



Technical specifications

Technical data

External power supply

Permissible operating pressure	180 bar
Permissible operating pressure	
Permissible oil temperature	75°C
Permissible oil temperature	

Bohrturm//Drilling rig

Max. feed length //Max. feed length	1.700 mm
Max. feed force //Max. feed force	7.500 N
Max. retraction force //Max. retraction force	11.000 N

Control stand//Controlling stand

Proportional valve technology with 3-way pressure compensator
Proportional valve technology with 3-way pressure compensator

Compressed air system with oiler and two switching valves for blown air and Hammer // Compressed air system with lubricator and two valves for flushing and hammer

Number of sections //Number of sections 4

1st Section (Feed advance) //1st Section (Feed advance) 16 l/min

2nd Section (Rotation) //2nd Section (Rotation) 40 l/min

3rd Section (Percussion) //3rd Section (Percussion) 63 l/min

4th Section (Spannzange) //4th Section (Clamping) 16 l/min

Dimensions //Dimensions

A	315 mm
B	510 mm
C	2.675 mm
Total weight** //Total weight**	65 kg

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** Basic unit, without equipment // ** Basic unit, without equipment

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Accessories

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• Hydraulikhämmer //Hydraulic hammers

• Rotary motors //Rotary heads

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Hydraulic clamping devices

• Central lubrication systems //Central lubrications

• Toolbox TB250 //Toolbox

• Hydraulikaggregate //Hydraulic power packs

• The injection station //Injection units

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