We could start by telling you about Sebastian Bauer, who founded a copper forge in the German town of Schrobenhausen some 200 years ago. We could then move on to how his workshop prospered and developed to a leading construction company for specialist foundation engineering. The story would continue to the mid 20th century, when innovation and the drive for perfection prompted Bauer to develop and build their own high-quality and high-performance machinery. And it still wouldn’t end in the 21st century, Bauer now family-run in the seventh generation and meanwhile a globally operating group with more than 100 branches and subsidiaries operating in the fields of special foundation engineering (Bauer Spezialtiefbau), in manufacturing of foundation equipment (Bauer Maschinen) and focusing on products and services in the fields of water, energy, mineral resources and environmental technology (Bauer Resources).
But we think what really matters about us and to our customers is this: We are a strong partner with face and values, we are down to earth, and we are dedicated to perfection in everything we touch.

Experience for you!

“100 years of drilling, 4 decades of building machines, and still down to the earth” Prof. Thomas Bauer

We could start by telling you about Sebastian Bauer, who founded a copper forge in the German town of Schrobenhausen some 200 years ago. We could then move on to how his workshop prospered and developed to a leading construction company for specialist foundation engineering. The story would continue to the mid 20th century, when innovation and the drive for perfection prompted Bauer to develop and build their own high-quality and high-performance machinery. And it still wouldn’t end in the 21st century, Bauer now family-run in the seventh generation and meanwhile a globally operating group with more than 100 branches and subsidiaries operating in the fields of special foundation engineering (Bauer Spezialtiefbau), in manufacturing of foundation equipment (Bauer Maschinen) and focusing on products and services in the fields of water, energy, mineral resources and environmental technology (Bauer Resources).
More than machines: Competent consulting

*Quality is not an act, it is a habit.*

Of the thousands of machines Bauer Maschinen has built since production started in the 1970’s with the first rotary drill rig BG 7, many of them are still in operation all over the world – in Siberia as well as in the desert. State of the art technology developed end-to-end by our inhouse engineers and full machine tests prior to delivery are one side of the coin. Bauer Maschinen can serve any customer need with the most comprehensive product portfolio. The other side is project-specific consulting by highly trained experts, with a focus on your special requirements.

- Quality and experience in specialist foundation engineering
- Global operation – local contacts in over 70 countries
- Reliability in technology, service
- Customized solutions
- On-site support over entire machine service life
The BAUER BG PremiumLine

The BG Premium Line stands for multifunction equipment for a variety of foundation construction systems. The selection between two model ranges allows an optimum choice for differing project or transportation requirements.

Specific highlights of the BG PremiumLine are:
- High safety standards
- Environmental sustainability, economic efficiency and performance
- Easy to transport and short rigging time
- High quality standard
- Long lifetime and excellent resale value

Special features of the H-model line are:
- Fast loading onto transport vehicles
- Easy rigging on-site due to compact design
- Rapid shifting to new working positions at construction sites with underpasses or below low bridges

Special features of the V-model line are:
- Big borehole diameters
- Large drilling depths
- Extended service intervals and power transmission with low vibrations due to the robust design of the kinematic system
The Rotary drilling rig
BG 46 PremiumLine (BS 115)

Max. drilling diameter: 3,700 mm
Max. drilling depth: 126.0 m
Max. torque (nominal): 553 kNm
Engine: CAT C 18 – Tier 2
570 kW @ 1,850 rpm
CAT C 18 – Tier 4
563 kW @ 1,850 rpm
Max. height: 36.3 m

1 Undercarriage
2 Uppercarriage
3 Main winch
4 Auxiliary winch
5 Crowd winch
6 Kinematic system
7 Mast
8 Masthead
9 Upper Kelly guide
10 Kelly bar
11 KDK Rotary drive
12 Drilling tool
**Flexible mast concept**
- **Vario-masthead**
  - Masthead for drill axis distance 1,300 mm, expandable to 1,700 / 2,000 mm
  - Increased stroke for Kelly bars when using an upper kelly guide
  - Tiltable side jib for optimal position of auxiliary rope (in both drilling axes, for single-pass processes and for transport)
- **Vario-crowd winch system**
  - Transport possible with built-in crowd ropes (Kelly operation)
  - Low Head version, min. rig height of 20.6 m (possible with integrated Vario-mast section)
  - Rope tensioning cylinder integrated in lower mast section
- **Max. mast extension 5.6 m**
  - Increasing of drilling depth
  - Increased stroke for Single-Pass systems
  - Use of longer Kelly bars and casing tubes
  - Mast extensions can be combined with all drill axes
- **Achievable max. drilling diameter of 3,700 mm**

**Modern, ergonomic operator cab**
- FOPS compliant with additional protective roof guard
- Sliding door with sliding window
- Premium comfort seat, air-sprung and heatable
- High-precision electronic pre-control system
- Joystick controls with high functionality
- B-Tronic 4.2 control module with color touch screen and a multitude of assistant and automatic systems
- The machine is linked via the Internet to site and service management systems through integrated DTR module and tablet
- B-Drive multifunctional potentiometer input

**Patented Kelly visualization with spring compression sensing**
- Display of lock recesses of the Kelly bar
- Increase in drilling performance
- Reduced wear on Kelly bar and Kelly drive keys
- Display and supervision of correct lowering and retracting of the Kelly bar
- Adaptive Kelly speed assistant

**Energy-Efficient Power**
- Reduction of fuel consumption by up to 30%
- Increased productivity through improved efficiency
- Significantly reduced noise levels
- Tried and proven suitability for practical application
- Optimized parallel operation of main and auxiliary consumers
Safety equipment

Guardrails on upper level (foldable for transport)
Walking platform with handrail (foldable for transport)
Upward folding service doors
Closed circuit cameras for rear area and main winch surveillance with display on integrated screen in operator’s cab
Flashing warning lights and audible reverse warning system
Slewing angle display for upper carriage

Main winch (on uppercarriage)
- Wide winch drum
- Single layer winch for minimized rope wear (optional)
- Constant line pull
- Service-friendly winch position
- Optimal transfer of hydraulic power
- Designed for heavy continuous operation (winch classification M6 / L3 / T5)
- Swing down mechanism for transport
- Hydraulic locking for single layer winch

Variably stackable counterweight elements
- Constant tail radius
- Small weight of individual elements (5.0 t)
- Flexible arrangement, adjustable to application
- Easy assembly and disassembly

Rotary drive KDK 550 S
- Max. torque on casing 553 kNm
- Hydraulically pin connection on crowd sledge
- Easy and safe rigging of the rotary drive, no working at height
- Activated by remote control (optional)

Safe and easy transport
- Hydraulic locking of support trestle
- Easy demounting of mast with two short pins
- Activated by remote control (optional)

Powerful engine CAT C 18
- For Exhaust Emission Standards Tier 2 or Tier 4
- Diesel particulate filter in Exhaust Emission Standard Tier 4 final
- Low noise emission
- Low fuel consumption due to individual consumer control
- Worldwide CAT-service partners
Dimensions – Basic version

Operating weight 176.5 t
(as shown)

Dimensions – Basic version
Operating weight 176.5 t (as shown)
Rotary drive
KDK 550 S
Torque casing (nominal) at 350 bar 553 kNm
Torque drilling (nominal) at 350 bar 460 kNm
Speed of rotation (max.) 39 rpm

Crowd winch (selectable)
Crowd force push and pull effective nominal 460 / 590 530 / 680 kN
Speed (down / up) 6.5 / 6.5 8.5 / 8.5 m/min
Fast speed (down / up) 30.5 / 30.5 31.0 / 31.0 m/min

Main winch (selectable) multi-layer single-layer
Winch classification M6 / L3 / T5 M6 / L3 / T5
Line pull (1st layer) effective / nominal 420* / 532 450 / 570 kN
Rope diameter 40 40 mm
Line speed (max.) 62 62 m/min

Auxiliary winch
Winch classification M6 / L3 / T5
Line pull (1st layer) effective / nominal 140 / 177 kN
Rope diameter 22 mm
Line speed (max.) 55 m/min

Base carrier (EEP)
Engine CAT C 18
Rated output ISO 3046-1 570 563 kW @ 1,850 1,850 rpm
Exhaust Emission Standard acc. to EPA Tier 2 Tier 4 final
Diesel tank capacity 1,200 1,200 l
Sound pressure level in cabin (EN 16228, Annex B) LP, 80 dB(A)
Sound power level (2000/14/EG and EN 16228, Annex B) LW, 114 dB(A)
Hydraulic pressure 350 bar
Flow rates (main circuits + auxiliary circuit) 3 x 420 + 1 x 565 + 1 x 400 + 1 x 320 l/min
Hydraulic oil tank capacity 1,200 l

Undercarriage (selectable)
Crawler type B9S B9S
Track width (retracted/extended) 2,700 / 4,000 2,980 / 4,310 mm
Width of triple grouser track shoes 1,000 1,000 mm
Overall length of crawlers 6,500 7,280 mm
Traction force (effective) 1,300 1,300 kN

* Line pull 420 kN can also be used in 2nd layer
### Base carrier BS 115, Fig. A

#### Standard
- Removable counterweight elements (6 x 5 t)
- Basic-remote control
- Removable crawler side frames
- Protective roof guard
- Radio with CD, MP3, USB and Bluetooth c/w hands-free kit
- Platforms with handrail (on both sides and at the cabin)
- Guardrails upper level (foldable for transport)
- Electric refueling pump
- EEP Energy Efficiency Package
- Air conditioning system
- 3 cameras for rear area and main winch surveillance
- Hydraulic system with quick-release hydraulic couplers (socket bank)
- Central lubrication system
- Premium comfort seat

#### Optional
- Counterweight variably adjustable to max. 40 t
- Walking platform with handrail (continuous on both sides at cabin level), optional tiltable
- Compressor 1,000 l/min
- Electric generator 13 kVA
- Bio-degradable hydraulic oil
- Arctic kit / Artic kit plus
- Flat-track shoes
- Quick-release hydraulic couplers (by UW 195 standard)
- Cab space heater with automatic timer
- LED spotlights
- Additional camera (at customer-specific location)
- Front screen guard, Fig. B
- Sun blind small or big
- Climatronic
- Multi-remote control

### BG attachment

#### Standard
- Sturdy V-type mast kinematic system
- Main winch with hydraulically operated freewheeling
- Swivel for main rope
- Pivoted anchor points for main and auxiliary rope
- Boom with hydraulic cylinders for vertical and horizontal mast alignment
- Hydraulic locking for support block
- Flexible mast concept (Vario-mast, Vario-masthead)
- Hydraulically pin connection on crowd sledge

#### Optional
- Upper kelly guide
- Extension of drill axis to 1,700 mm or 2,000 mm
- Mast support unit
- Mast extension possible up to 5.6 m (from 4 m extension requires an auxiliary crane)
- Swivel for auxiliary rope
- Attachment of casing oscillator (up to BV 2000), Fig. D
  - Powered by on-board hydraulics of base machine
  - Controlled from operator’s cab
  - Possible up to 2,500 mm drilling diameter on request
- Attachment of automatic casing drive adapter, Fig. C
- Air line attachment
- Concrete line
## Rotary drive KDK 550 S (multi-gear), Fig. E

<table>
<thead>
<tr>
<th>Standard</th>
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</thead>
<tbody>
<tr>
<td>Standard</td>
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<tr>
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<tr>
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<tr>
<td>Integrated Kelly damping system</td>
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<td>Exchangeable Kelly drive keys</td>
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<td>Cardanic joint</td>
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<td>Quick-release hydraulic couplers</td>
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<td>Transport supports</td>
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<tr>
<td>Kelly equipment KA 962/470</td>
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## Measuring and control system

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<tbody>
<tr>
<td>Standard</td>
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</tr>
<tr>
<td>PLC processor for all electrically actuated functions</td>
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<tr>
<td>Automatic mast alignment with memory-recall</td>
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<tr>
<td>Depth measuring device on main winch</td>
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<tr>
<td>Distance measuring device on crowd winch</td>
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<tr>
<td>Main winch with electronic load sensing</td>
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<tr>
<td>Slack rope prevention</td>
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<tr>
<td>Automatic swivel alignment function</td>
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<tr>
<td>Hoist limit switch on main and auxiliary winch</td>
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<tr>
<td>Auxiliary winch with hydraulic load sensing</td>
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<tr>
<td>Crowd stroke monitoring</td>
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<tr>
<td>Crowd speed control</td>
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<tr>
<td>Speed measuring control on rotary drive (KDK)</td>
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<td>Automatic torque setting (KDK)</td>
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<tr>
<td>Hold-Back control</td>
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<td>Bauer B-Tronic 4.2</td>
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<td>DTR module</td>
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<tr>
<td>Assistants: *</td>
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<tr>
<td>Kelly drilling assistant</td>
<td></td>
<td></td>
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<tr>
<td>Automatic crowd control</td>
<td></td>
<td></td>
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<tr>
<td>One-directional spoil discharge assistant</td>
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<td></td>
</tr>
<tr>
<td>Bi-directional spoil discharge assistant</td>
<td></td>
<td></td>
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<tr>
<td>Casing extraction assistant</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Optional</th>
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<tbody>
<tr>
<td>Optional</td>
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</tr>
<tr>
<td>Electronic load-sensing for auxiliary winch</td>
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<td></td>
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<tr>
<td>Drilling and pulling assistant for Single-Pass processes</td>
<td></td>
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<tr>
<td>Recording of concrete pressure and volume for Single-Pass processes</td>
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<tr>
<td>Software modules for further applications</td>
<td></td>
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<tr>
<td>B-APS Satellite-based positioning system</td>
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</tbody>
</table>

* Further assistants on request
Operating, Evaluation and Transfer Systems

### Standard

- Bauer B-TRONIC 4.2
  - High-resolution 12" touch screen for high operating comfort, Fig. F
  - High contrast display easy to read in daylight
  - Variable display of machine and process-specific production parameters in line with selected operating techniques
  - Main parameters, such as pump pressures, torque and drilling depth at a glance
  - Kelly visualization for displaying the actual position of lock recesses and drive keys
  - Recording of machine and process-specific production parameters (Fig. G) for documentation of the construction progress and external processing with the evaluation software B-Report
  - Data transfer to external data storage device (USB memory stick) or online access via WEB-BGM
  - Display of machine status and fault messages in plain text
  - Fault diagnosis
- B-Drive for simplified potentiometer input

- Tablet
  - Fully-fledged tablet with numerous apps, (such as camera, processor, notebook etc.), Fig. H
  - Internet access via DTR module
  - Copy (mirroring) of operator screen
  - Offline availability of machine-specific documents, such as manuals and spare parts lists
  - Mobile tool for service engineers

- DTR module
  - Online Internet connection for the drilling rig via mobile communications network (GSM)
  - GPS receiver for positioning
  - WLAN connection for the tablet
  - Internet data transfer to BAUER webserver (WEB-BGM) for protected customer access to their own machine and production process data.
Multi-function equipment

Kelly drilling

Cased Kelly drilling (installation with BTM)

Cased Kelly drilling (installation with oscillator)

CFA

CCFA
Cased CFA system

PCCFA

SCM
Single mixing paddle

SMW
Triple mixing paddles

FDP
Standard or Lost Bit

CSM
Cutter Soil Mixing

BC
Trench cutter

VIPAC
Casing system with top vibrator

Courtesy of Crane.Market
**Application – Kelly drilling**

<table>
<thead>
<tr>
<th>Basic version</th>
<th>Upgraded version</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Undercarriage</strong></td>
<td>UW 160</td>
</tr>
<tr>
<td>Main winch</td>
<td>420 kN</td>
</tr>
<tr>
<td>Mast extension</td>
<td>2.5 m</td>
</tr>
<tr>
<td>Upper Kelly guide</td>
<td>without</td>
</tr>
<tr>
<td>Drilling axis</td>
<td>1,300 mm</td>
</tr>
<tr>
<td>Max. drilling diameter</td>
<td>2,300 mm</td>
</tr>
<tr>
<td>uncased</td>
<td>2,000 mm</td>
</tr>
<tr>
<td>cased</td>
<td>2,300 mm</td>
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<tr>
<td>Operating weight</td>
<td>179.5 t</td>
</tr>
<tr>
<td>with Kelly BK 500/559/3/42</td>
<td>...3/42</td>
</tr>
<tr>
<td>with casing drive adapter</td>
<td>1,600</td>
</tr>
<tr>
<td>with bucket</td>
<td>KB 1,500</td>
</tr>
<tr>
<td>with counterweight</td>
<td>30.0 t</td>
</tr>
</tbody>
</table>

**BG 500 PremiumLine**

BG 46 PremiumLine (BS 115) | © BAUER Maschinen GmbH 3/2016

Courtesy of Crane.Market
### Drilling depth – uncased Kelly drilling

<table>
<thead>
<tr>
<th>3-part Kelly bar</th>
<th>Basic version</th>
<th>Upgr. version</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A (m)</td>
<td>B (m)</td>
</tr>
<tr>
<td>BK500/559/3/36</td>
<td>16.0</td>
<td>39.6</td>
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<tr>
<td>BK500/559/3/42</td>
<td>18.0</td>
<td>45.6</td>
</tr>
<tr>
<td>BK500/559/3/48</td>
<td>20.0</td>
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<td>BK500/559/3/54</td>
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<td>BK500/559/3/60</td>
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<td>63.6</td>
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<tr>
<td>BK500/559/3/66</td>
<td>26.0</td>
<td>69.6</td>
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<tr>
<td><strong>4-part Kelly bar</strong></td>
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<tr>
<td>BK500/559/4/64</td>
<td>19.8</td>
<td>67.8</td>
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<tr>
<td>BK500/559/4/72</td>
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<td><strong>5-part Kelly bar</strong></td>
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<tr>
<td>BK420/559/5/100</td>
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<td>103.9</td>
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<tr>
<td>BK420/559/5/125</td>
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<td>128.9</td>
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</table>

* Reduction of torque to 420 kNm for Kelly type BK 420
** Only possible with drill axis 1,300 mm

Drilling data as shown are based on tool length NL = 1.9 m, minimum horizontal mast reach and using Bauer attachment.

Further drilling depth, diameter and other Kelly types on request.

### Uncased Kelly drilling with Low Head configuration

- Max. drilling diameter: 3,700 mm
- Max. drilling depth (with 5-part Kelly): 40 m

### Cased Kelly drilling with Casing oscillator BV 2000

- Casing length without BV = H<sub>W</sub> - 0.5 m
- With BV = H<sub>W</sub> - 2.4 m
Application – CFA-drilling

<table>
<thead>
<tr>
<th>Basic version</th>
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<tbody>
<tr>
<td>Undercarriage</td>
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</tr>
<tr>
<td>Mast extension</td>
<td>2.5 m</td>
</tr>
<tr>
<td>Kelly extension</td>
<td>without</td>
</tr>
<tr>
<td>Max. drilling diameter</td>
<td>1,200 mm</td>
</tr>
<tr>
<td>Max. Drilling depth (with auger cleaner)</td>
<td>22.0 m</td>
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<tr>
<td>Max. extraction force with main- and crowd winch (effective)</td>
<td>1,060 kN</td>
</tr>
<tr>
<td>Counterweight</td>
<td>35.0 t</td>
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<tr>
<td></td>
<td>UW 195</td>
</tr>
<tr>
<td></td>
<td>5.6 m</td>
</tr>
<tr>
<td></td>
<td>8.0 m</td>
</tr>
<tr>
<td></td>
<td>1,200 mm</td>
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<td>33.0 m</td>
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<tr>
<td></td>
<td>1,060 kN</td>
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<tr>
<td></td>
<td>40.0 t</td>
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### Application – CCFA-drilling

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<tbody>
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<td>Mast extension</td>
<td>5.6 m</td>
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<td>Max. drilling diameter</td>
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<td>1,180 mm</td>
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<tr>
<td>Max. drilling depth</td>
<td>24.1 m</td>
<td>18.5 m</td>
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<tr>
<td>Max. extraction force with main- and crowd winch (effective)</td>
<td>1,060 kN</td>
<td>1,060 kN</td>
</tr>
<tr>
<td>Operating weight (approx.)</td>
<td>222.0 t m</td>
<td>217.0 t</td>
</tr>
<tr>
<td>Counterweight</td>
<td>40.0 t</td>
<td>40.0 t</td>
</tr>
</tbody>
</table>

### Upgr. version with DKS 150 / 300

<table>
<thead>
<tr>
<th>Undercarriage</th>
<th>UW 195</th>
<th>UW 195</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mast extension</td>
<td>5.6 m</td>
<td>2.5 m</td>
</tr>
<tr>
<td>Max. drilling diameter</td>
<td>1,000 mm</td>
<td>1,180 mm</td>
</tr>
<tr>
<td>Max. drilling depth</td>
<td>24.9 m</td>
<td>21.8 m</td>
</tr>
<tr>
<td>Max. extraction force with main- and crowd winch (effective)</td>
<td>1,060 kN</td>
<td>1,060 kN</td>
</tr>
<tr>
<td>Operating weight (approx.)</td>
<td>214.5 t</td>
<td>217.0 t</td>
</tr>
<tr>
<td>Counterweight</td>
<td>40.0 t</td>
<td>40.0 t</td>
</tr>
</tbody>
</table>
Further applications

BC – Trench cutter system

For cutting depths > 48 m it is recommended to use the HDS-System as shown here. It consists of two hydraulically driven hose drums for mud hose and hydraulic hoses.

<table>
<thead>
<tr>
<th>Type of trench cutter</th>
<th>BC 35</th>
<th>BC 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. cutting width</td>
<td>1,500 mm</td>
<td>1,800 mm</td>
</tr>
<tr>
<td>Max. cutting depth</td>
<td>100 m</td>
<td></td>
</tr>
<tr>
<td>Hose drum system</td>
<td>HDS 100</td>
<td></td>
</tr>
<tr>
<td>Undercarriage</td>
<td>UW 160 / UW 195</td>
<td></td>
</tr>
<tr>
<td>Operating weight</td>
<td>up to 200 t</td>
<td></td>
</tr>
</tbody>
</table>

For further information please refer to the catalogue “BAUER Trench cutter system” 905.679.2
Mixing of self-hardening slurries with native soils by using a modified trench cutter technique is a new and effective method for constructing cut-off walls, earth retaining walls, soil improvement or for constructing foundation elements.

CSM is used mainly for stabilizing soft or loose soils (non-cohesive and cohesive), however the machinery used, derived from Bauer’s cutter technology, extends the applicability of the method to much harder strata when compared to other methods of soil mixing.

**Main advantages of the method are:**
- High productivity
- The in-situ soil is used as a construction material
- Very little generation of spoil (important factor in contaminated areas)
- No vibrations induced during construction

### Cutting / Mixing head

<table>
<thead>
<tr>
<th></th>
<th>BCM 5</th>
<th>BCM 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel width</td>
<td>1.0 m</td>
<td>1.2 m</td>
</tr>
<tr>
<td>Panel length</td>
<td>2.4 m</td>
<td>2.8 m</td>
</tr>
<tr>
<td>Max. panel depth</td>
<td>43 m</td>
<td></td>
</tr>
<tr>
<td>Undercarriage</td>
<td>UW 160* / UW 195</td>
<td></td>
</tr>
<tr>
<td>Operating weight</td>
<td>up to 200 t</td>
<td></td>
</tr>
</tbody>
</table>

* subject to restrictions

For further information please refer to the catalogue “Cutter Soil Mixing” 905.656.2
Transport – Dimensions and weights

**Base carrier (Basic version)**

<table>
<thead>
<tr>
<th>G</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>79.3</td>
<td>3,700</td>
</tr>
</tbody>
</table>

*G = Weight (t) B = Width, overall (mm)*

Weights shown are approximate values; optional equipment may change the overall weight and dimensions.

**Base carrier (Upgraded version)**

<table>
<thead>
<tr>
<th>G</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>77.9</td>
<td>4,000</td>
</tr>
</tbody>
</table>

**Base carrier (Upgraded version)**

<table>
<thead>
<tr>
<th>G</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>45.8</td>
<td>3,650</td>
</tr>
</tbody>
</table>

**G = 46.7 (with walking platform and guardrails)**

**G = 2 x 16.4 B = 1,200**

Transport possible with lower mast section (optional)

*Courtesy of Crane.Market*
Upper mast section with mast head

- G = 8.8
- B = 2,200

Main winch 420 kN

- G = 6.0 (without rope)
- 7.2 (with 140 m rope)
- B = 2,500

Lower mast section with Vario-mast section

- G = 3.3
- B = 1,900

G = 5.5
- B = 1,630

Main winch 450 kN

- G = 9.5 (without rope)
- 10.7 (with 140 m rope)
- B = 2,600

Mast extension 2.5 m

- G = 2.2
- B = 1,060

Mast extension 5.6 m

- G = 3.5
- B = 1,170

Rotary drive

- G = 11.0
- B = 1,900

Counterweight

- G = 6 to 8* x 5.0
- B = 3,450

* depending on application

Backstay cylinders

- G = 2 x 2.0
- B = 400

- G = 22.9
- B = 2,650
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- Strong customer orientation
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