



A yellow BOMAG roller is shown in profile, operating on a dirt road. The machine features a large, heavy-duty tire and a prominent roller drum. The BOMAG logo, consisting of a stylized diamond shape, is visible on the side of the machine, along with the text 'BOMAG' and 'FAYAT GROUP'. The background shows a hilly, green landscape under a cloudy sky.





# MILLIONS OF KILOMETRES BEAR OUR SIGNATURE.

Whoever constructs roads, shapes landscapes, or carries out other earthworks projects needs to master at least one thing: compaction. And so you excel in this area, we make the best machines for the job. From compact, manoeuvrable single drum rollers up to the powerful 28 tonne machine. For over 60 years, the history of our company has also been synonymous with the history of road construction and compaction technology.

BOMAG single drum rollers set the standards. With our accumulated know-how, we are an innovation driver that sets the pace for an entire industry. Along the way we have developed numerous new technologies: from systems for measuring and controlling compaction like VARIOCONTROL, BCM 05 or Terrameter,

to an efficient reduction of operating costs with ECOMODE and ECOSTOP.

Our global network of experts and partners in over 120 countries supports you comprehensively, from the configuration of the machines to providing solutions for the most challenging of tasks.

We owe our innovative strength to the commitment of our more than 2,500 employees worldwide. A source of know-how which has made us the global market leader in this sector. The reason for this is our unconditional commitment to quality: in product development and production, the qualification of our employees, and with a service that guarantees optimal on-site support.



**WE BUILD,  
WHATEVER THE BUILDING SITE NEEDS.**



All construction projects have one thing in common: they need a sound subsurface. That's the reason single drum rollers play a crucial role in the construction process. The requirements, however, are very different in each case. If you compact next to a listed building, you have to proceed differently than in road construction over open land. BOMAG offers a wide range of single drum rollers to suit all requirements. Whether compact and manoeuvrable in the

inner city on thin to medium layers, or big and strong for dam construction projects, with a smooth drum, a padfoot drum or the unique BOMAG polygonal drum – you are perfectly equipped for any construction site with our machines. They have been recognized globally as the number 1 in the market for years. Even so, our engineers succeed in making the best even better with every new generation.



# CONVINCING DOWN TO THE LAST DETAIL.

WHAT MAKES OUR SINGLE DRUM ROLLERS UNIQUE:

## OPTIMAL RESULTS

- Automatic adjustment of the amplitude with VARIOCONTROL
- One machine – many applications: gentle to powerful compacting
- Simpler operation with only one switch

## ERGONOMIC CABIN

- Spacious and comfortable
- Excellent overview over the machine
- More comfortable operation

## EASY SERVICE

- No lubricating, maintenance-free articulated joint
- All components easily accessible also with the latest engine technology





## MORE EFFICIENT COMPACTING

- Measuring and documenting in real time with the TERRAMETER and BCM 05 options
- Uniform compaction over the entire construction site
- Unnecessary passes avoided

## INTELLIGENT ENGINE TECHNOLOGY

- Up to 30% fuel savings with ECOMODE
- Even lower consumption with the optional automatic shutoff ECOSTOP

## OUTSTANDING CLIMBING CAPABILITY

- For steep slopes of 60% or more, by double pump technology
- Forwards or backwards – best traction at all times



## BOMAG ADVANTAGE: THE WORKPLACE.

### **WHO WORKS RELAXED, IS ALWAYS ON TRACK.**

*Man was the measure when our engineers designed the workplace of BOMAG's single drum rollers. The result: optimum conditions that promote precise and rapid work processes on the construction site.*

The cabin is spacious and offers excellent all-round visibility. Even over prolonged use, the ergonomic seat position ensures fatigue-free driving. The steering wheel is adjustable and therefore adaptable for any operator. And with the optical lane assistant, the driver can easily compact on edges or track by track.

- Spacious cabin with acoustic and vibration insulation
- Excellent all-round visibility
- Reversing camera (optional)
- Adjustable steering wheel
- Ergonomic seating position
- Heating and heated rear window



Workplace comfort has many facets in our single drum rollers. Space, air, ergonomics – everything is taken care of. Ideal conditions for well-being and working more successfully.



The cabin: airy and comfortable.



The controls: logically arranged and self-explanatory.



The steering column: perfectly adapted to the driver.

## BOMAG ADVANTAGE: THE OPERATING CONCEPT.

# PRECISE WORKING THROUGH EFFORTLESS MANOEUVRABILITY.

*Sophisticated technology need not be complicated to use. We have demonstrated this clearly again and again with our machines. The single drum rollers are no exception.*

BOMAG has gone to great lengths to ensure the driver always has everything under control with the single drum roller without any problems. No hieroglyphics, no confusion, and no guesswork: The operating concept is self-explanatory and provides clearly arranged operating units. Clear symbols indicate each respective function and provide quick information on all important machine parameters.

Drivers with the optional TERRAMETER, developed by BOMAG, receive additional support. It displays the respective compaction value digitally and as a bar graph. Furthermore, it is easy to see when compaction has been completed. This avoids unnecessary passes and saves time, therefore increasing economic efficiency.




Integrated display: clear and informative.



Integrated printer: for documenting compaction values.



A yellow BOMAG single-drum roller is shown from a low angle, climbing a steep, rocky incline. The machine is tilted upwards, with its front wheel firmly planted on the uneven, gravelly surface. The rear drum is visible, partially obscured by the machine's body. The BOMAG logo is clearly visible on the side of the machine. The background is a clear blue sky with a bright sun in the upper left corner, creating a strong lens flare effect. The overall scene conveys a sense of power and capability in challenging terrain.

Reliability under the toughest conditions: with the manual Slip Control in the D version and the double pump in the H-version, BOMAG sets new standards in climbing capability for single drum rollers.

## BOMAG ADVANTAGE: CLIMBING CAPABILITY.

### NO DECLINE ON THE INCLINE.

*Safety is our highest priority. This is especially evident with our single drum rollers on steep slopes. Even on highly uneven layers there is ground contact which provides best traction.*

BOMAG single drum rollers are true climbing pros. In the D version already, they achieve a climbing capability of up to 53%. Here the manual Slip Control enables targeted adjustment to the ground conditions. The rear axles have a no-spin differential with an automatic lock up to 100%. Even if one wheel lifts, the other still drives the roller forwards. In the H version, the dual pump system optimally transforms the engine power into traction. Then even inclines of over 60% are no problem.

- Continuous ground contact even on highly uneven layers
- No-spin axles with 100% self-locking
- Climbing capability over 60% with double-pump system



Outstanding climbing capability forwards or backwards ...



... thanks to the dual pump system technology.

## BOMAG ADVANTAGE: THE LATEST GENERATION OF ENGINES.

### MAKE BIG SAVINGS WITH INTELLIGENCE.

Each and every engine is the result of BOMAG's powerful innovative strength. With Stage IV and Tier 4 final, they meet the highest emissions requirements. The intelligent speed control ECOMODE saves up to 30% fuel and makes for a considerably lower noise emission. And with the optional ECOSTOP, the engine automatically switches off after a defined idle time. This further reduces fuel consumption and wear.

- Latest, environmentally friendly engine technology
- ECOMODE demand-driven engine management: saves up to 30% fuel and makes for a quieter work environment
- Even more economical, even quieter: optional automatic shutoff ECOSTOP

Less fuel, less noise, lower emissions: the high-tech motors in our single drum rollers. The engine management system adjusts the engine speed directly to the power requirement.





Big mouths welcome: all maintenance points easily accessible.



All cables are protected from damage.



BOMAG ADVANTAGE: VARIOCONTROL.

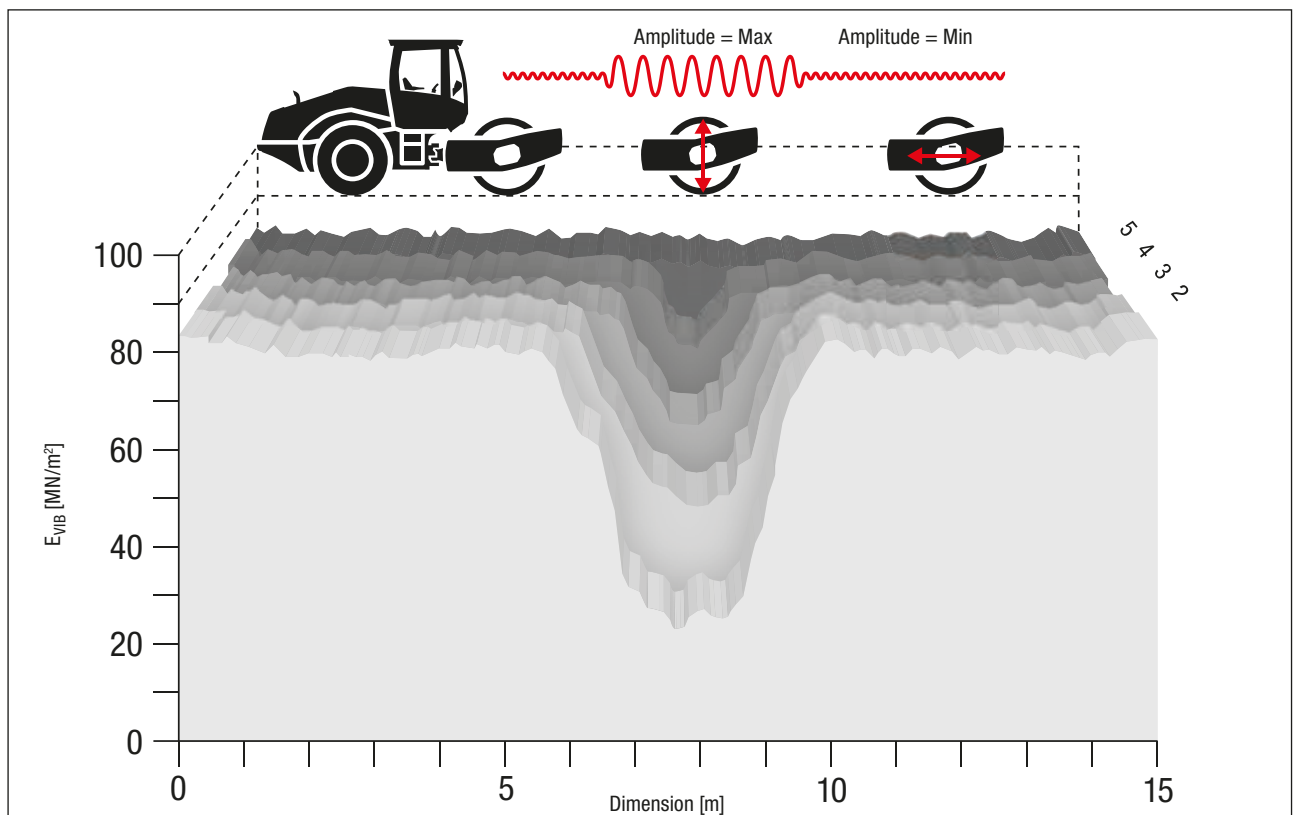
## IF THE SITE CALLS FOR IT, THE MACHINE CHANGES ITS CHARACTER.

With VARIOCONTROL we have revolutionized soil compaction. The drum vibrates linearly instead of on a circular path.

The amplitude can be adjusted automatically or manually. Whether at a low setting near sensitive buildings, or at full compaction power: maximum quality with minimum passes is always achieved. And the costs per cubic metre are noticeably reduced.

- Directed vibration
- Automatic amplitude adjustment
- Maximum flexibility by adapting to the environment
- Early detection of weak spots
- Greater efficiency by avoiding unnecessary passes





VARIOCONTROL automatically adjusts the amplitude to the degree of compaction.



Everything under control thanks to the ergonomic joystick steering with integrated functions.

BOMAG ADVANTAGE: BCM 05.

## TRACK THE RESULTS OF YOUR WORK WHILE YOU ARE STILL ON THE TRACK.

*Measuring and documenting in real time, that's what the BOMAG Compaction Management BCM 05 stands for, and what makes it the basis of economic compacting.*

If you want to compact accurately and efficiently, you need to measure and control constantly.

With BCM 05, this can be done especially comfortably. Lane for lane, layer for layer, the driver can track compaction in real time on a large colour display. The program saves the  $E_{VIB}$  values of the entire site. All the data can be exported, analyzed and archived. Detailed measurement protocols are generated in an equally user-friendly way and in accordance with tough site conditions.

Furthermore, it is possible to create detailed compaction maps in conjunction with the GPS receiver BOMAG StarFire. And that with an accuracy of 22 centimetres! The highest possible accuracy, flexibility and economy, in other words, a genuine BOMAG innovation.

- Permanent overview for the driver of still to be compacted areas
- Clear colour visualization of information on a large display
- Representation of differences in quality through interval observation
- Detailed measurement protocols for data management and site organization
- Surface covering documentation
- Highly user-friendly, simple operation



In colour: clear compaction maps with current values.



BOMAG StarFire: precision by GPS.



Clearly visible, never in the way: the display in the cabin.



Always in the picture: fast access, clear documentation.



Know what's going on: surface covering compaction control, layer by layer, over the entire site.

Consistent quality management and unique technical systems such as ECOMODE, ECOSTOP, VARIOCONTROL and BCM 05 also make our single drum rollers unbeatable in terms of cost. The Total Cost of Ownership (TCO) – the sum of all costs incurred during operation – documents this impressively.



TOTAL COST OF OWNERSHIP (TCO).

## WEIGHING IN AT UP TO 28 TONS – YET STILL LIGHT ON THE PURSE.

*BOMAG single drum rollers are not just the leaders in compaction, but also in cost cutting. The reason for this can be found in two short sentences: “We can do a lot. We offer a lot.”*

Or to express it in greater detail: There are four different factors that contribute significantly to reducing costs.

Fourth: the measuring technology. Also contributes to the optimization of the workflow.

First: the innovative technology. State-of-the-art engines and drive technology ensure workflow efficiency and save fuel.

So all in all, a BOMAG single drum roller is the best thing that can happen to your business and your wallet.

Second: the maintenance concept. Longer service intervals and no lubricating mean less maintenance, less down-time – and time is money.

- Efficient, latest generation technologies
- Advanced maintenance concept with fewer costly service intervals
- Simple operating concept that requires less training
- Innovative measuring technology for optimized workflow

Third: the simple operating concept. Our user-friendly workplace design eliminates the need for costly training.



One thing that distinguishes them all: latest technology, low operating costs.



Found before you even start searching for them: the maintenance points.



Intelligent: operating materials can be drained off from the outside.



Cleanly engineered: The articulated joint is maintenance-free, the machine requires no lubricating whatsoever.

## EASY SERVICE.

# CLEVERLY BUILT MEANS EASILY MAINTAINED.

We have a clear objective with our service: less maintenance, less downtime, lower costs. Or, expressed more technically: eliminate unnecessary maintenance points and make the necessary ones more easily accessible. For example, every single drum roller does without lubrication points. Oil dipstick, filter, filling points and draining valves are easily accessible from ground level. Or the rubber buffers on the drum: They can be replaced without dismantling the frame parts. Easy Service is clearly more than just a name. It is the result of smart technology – and therefore an important component of our corporate philosophy.





GENUINE PARTS AND SERVICE.

## QUALITY IS THE BEST PROTECTION FOR YOUR INVESTMENT.

*If the label says BOMAG, you can expect real quality. This is true for our genuine parts as well as for our service.*

Anyone choosing a BOMAG single drum roller has above all opted for one thing: superb quality with no ifs or buts.

You should think in the same uncompromising terms when it comes to genuine parts and service. That's the only way to guarantee the 100% performance and operational capability of the machine – and ultimately the productivity and profitability of your company.

BOMAG offers three service products with which you are perfectly equipped.

1. BOMAG Genuine Parts. Our genuine parts fulfil the highest quality standards, are field-tested and tailored precisely to your machine. Furthermore, through our worldwide distribution network they are also quickly available.

2. BOMAG Service Kits. These packages contain everything required for high-quality maintenance. They are individually configured for your machine by our service experts. That saves you time and money.



BOMAG Service stands for quick and reliable on-site assistance. With 12 foreign subsidiaries and more than 500 dealers worldwide in over 120 countries.



BOMAG Genuine Parts: matchless proven quality.



BOMAG Service Kits: all maintenance parts in one box.

And you get 100% BOMAG quality.

3. BOMAG PartnerPlus. With this service contract you get peace of mind at a calculable price. You can put your own personal package of services together according to your requirements. That means flexibility that protects against unexpected costs and facilitates long-term planning.



BOMAG Services: No matter where your machine is in use, we won't let you down.

OPTIONAL EQUIPMENT.

## OPTIMALLY INDIVIDUALISED.

*No two operating sites are the same. BOMAG provides you with numerous options to equip your single drum roller specifically for the area of application on “your construction site”.*



### ECOSTOP

Particularly economical: after a predefined idle time, the motor switches off automatically. That means: lower consumption, less wear and tear.



### BCM 05

Particularly clear: visualisation of the compaction process on a colour display and documentation by saving all compaction data.



### TERRAMETER

Particularly informative: permanent display of compaction values, so that weak spots are detected reliably and unnecessary passes are avoided.



### Shell Kit

Particularly simple: when compacting cohesive soils, the segments are placed on the smooth drum and bolted together.



Dozer blade

Particularly flexible: in horticulture and landscaping, for example, it is possible to distribute and level at the same time with the dozer blade.



Mounting plates

Particularly effective: mounting plates for compacting the top surface layer. Especially when a high finish quality is required.



Reversing camera

Particularly safe: attached to the rear of the single drum roller and connected to a colour display in the cabin, this camera significantly increases operational safety.



ROPS / FOPS cabin

Particularly comfortable: the BOMAG ROPS / FOPS cabin offers a wide range of equipment such as heating / air conditioning, radio-ready, or space for a cool box.



THE COMPACT CLASS.

## THE SMALLER ONES WITH A TALENT FOR GREAT DEEDS.

*They're compact, they're agile, and they're real all-rounders. Our single drum rollers in the weight category of four to eight tons are perfect partners for small to medium construction sites.*

### **BW 145 & 177-5**

Whether with four tons (BW 145), or seven tons (BW 177), these single drum rollers leave an impression on all soil types. With a smooth drum on crushed rock, gravel and sand, with a padfoot drum on cohesive gravel, or with a padfoot segment kit for flexible operations. That's the reason their skills are in demand both in urban scenarios as well as for horticulture and landscaping, civil engineering or road construction.



Exceptionally practical in inner cities.



Compact design, high compaction: small dimensions and top manoeuvrability in combination with high compaction performance make single drum rollers the perfect companions for inner-city construction sites.

## **BW 197 DH-5**

Everything the other single drum rollers of the compact class can do, the BW 197 DH-5 can do, too. But it can do a little more of it all. Its travel drive is equipped with a powerful dual pump system. With a maximum operating weight of over eight tons and a working width of 1.9 metres, the area output is 11% higher. That makes it perfect for larger areas, e.g. in industrial estates.



Perfect for new development areas: highest area output in its class.



THE HEAVYWEIGHT CLASS.

## OUR BIG ONES. UP FOR ANY CHALLENGE.

*Heavy workers always in action when larger projects are involved – no matter if it's for off-road compaction or road construction, inside or outside of town.*

### **BW 211–BW 216-5**

These single drum rollers are used for medium to heavy compaction work. Equipped with VARIOCONTROL, they are ideal, for example, for the construction of expressways or railway lines. BW 213 can be additionally fitted with attachment plates so it is able to carry out depth and surface compaction in one operation. This saves time and costs.



Versatile machines for wide-ranging applications.



They show true greatness on every construction site. All single drum rollers in the heavyweight class have a working area of 2.13 metres. Depending on the equipment, the BW 226 impresses with its exceptional depth penetration or even rock-crushing capabilities.

## **BW 219–BW 226-5**

With a high cubic metre capacity, these single drum rollers are extremely efficient. That's why they are used for heavy compaction work with high layers: on major road construction projects, at airports, in dam construction or land reclamation. The depth effect of the large single drum rollers is enormous, and further enhanced by the polygonal drum, available only at BOMAG.



The perfect companion for large projects.

## MODEL OVERVIEW.



The nimble one for tight spaces.



The heavyweight for major construction sites.



The all-rounder for all eventualities.



The expert for inner cities.



MODEL TYPE	WEIGHT CLASS [T/LB]	WORKING WIDTH [MM/IN]	ENGINE OUTPUT [KW]
BW 145	4.5/1000	1426/56"	55
BW 177	7/15500	1686/66"	55
BW 197	7/15500	1900/75"	55
BW 211	11/24500	2130/84"	95
BW 212	12/26500	2130/84"	95
BW 213	13/28700	2130/84"	95/115
BW 214	14/31000	2130/84"	95
BW 216	16/35300	2130/84"	115
BW 219	19/42000	2130/84"	150
BW 226	26/57500	2130/84"	150



## **SUCCESS STORIES ARE BEST WRITTEN AS A TEAM.**

Decades of experience, know-how and quality standards have made our single drum rollers what they are today: the reference standard in compaction technology. Throughout the journey, we only ever had one thing in mind: our customers. After all, you can only do your work optimally with the best machines. With this in mind, your

success is also a part of our success story. And that is why we will continue to deliver 100% performance to you in future. With targeted training, personal on-site support. And with ever more new ideas on our road to the future. Together with you – as a successful team.



Head Office / Hauptsitz:

**BOMAG**

Hellerwald  
56154 Boppard  
GERMANY  
Tel. +49 6742 100-0  
Fax +49 6742 3090  
info@bomag.com

**BOMAG Maschinen-  
handels-gesellschaft m.b.H.**

Porschestraße 9  
1230 Wien  
AUSTRIA  
Tel. +43 1 69040-0  
Fax +43 1 69040-20  
austria@bomag.com

**BOMAG MARINI EQUIPAMENTOS LTDA.**

Rua Comendador Clemente Cifali, 530  
Distrito Industrial Ritter  
Cachoeirinha – RS  
BRAZIL  
ZIP code 94935-225  
Tel. +55 51 2125-6677  
Fax +55 51 3470-6220  
brasil@bomag.com

**BOMAG (CANADA), INC.**

3455 Semenyk Court  
Mississauga, Ontario L5C 4P9  
CANADA  
Tel. +1 905 361 9961  
Fax +1 905 361 9962  
canada@bomag.com

**BOMAG (CHINA)**

Compaction Machinery Co. Ltd.  
No. 2808 West Huancheng Road  
Shanghai Comprehensive  
Industrial Zone (Fengxian)  
Shanghai 201401  
CHINA  
Tel. +86 21 33655566  
Fax +86 21 33655508  
china@bomag.com

**BOMA Equipment**

**Hong Kong LTD**

Room 1003, 10/F Cham Centre  
700, Castle Peak Road  
Kowloon  
HONG KONG  
Tel. +852 2721 6363  
Fax +852 2721 3212  
bomahk@bomag.com

**BOMAG France S.A.S.**

2, avenue du Général de Gaulle  
91170 Viry-Châtillon  
FRANCE  
Tel. +33 1 69578600  
Fax +33 1 69962660  
france@bomag.com

**BOMAG (GREAT BRITAIN), LTD.**

Sheldon Way  
Larkfield, Aylesford  
Kent ME20 6SE  
GREAT BRITAIN  
Tel. +44 1622 716611  
Fax +44 1622 710233  
gb@bomag.com

**BOMAG Italia Srl.**

Via Roma 50  
48011 Alfonsine  
ITALY  
Tel. +39 0544 864235  
Fax +39 0544-864367  
italy@bomag.com

**FAYAT BOMAG Polska Sp. z o.o.**

Ul. Szyszkowa 52  
02-285 Warszawa  
POLAND  
Tel. +48 22 482 04 00  
Fax +48 22 482 04 01  
poland@bomag.com

**FAYAT BOMAG RUS OOO**

141400, RF, Moscow region  
Khimki, Klayazma block, h. 1-g  
RUSSIA  
Tel. +7 (495) 287 92 90  
Fax +7 (495) 287 92 91  
russia@bomag.com

**BOMAG GmbH**

300 Beach Road  
The Concourse, #18-06  
Singapore 199555  
SINGAPORE  
Tel. +65 6 294 1277  
Fax +65 6 294 1377  
singapore@bomag.com

**BOMAG Americas, Inc.**

125 Blue Granite Parkway  
Ridgeway SC 29130  
U.S.A.  
Tel. +1 803 3370700  
Fax +1 803 3370800  
usa@bomag.com