



MAKES AN IMPRESSION.

THE 5TH GENERATION OF THE PERFORMANCE LINE SINGLE DRUM ROLLERS



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 to ensure you achieve the best results, we build the best machines for the job. From compact, manoeuvrable single drum rollers to our powerful 26-ton 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 standard. With our accumulated know-how, we are an innovation driver that sets the pace for an entire industry. In the process, we have developed numerous new technologies, from systems for measuring and controlling compaction, such as VARIOCONTROL, BOMAP 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 with everything from the configuration of the machines to providing solutions for the toughest tasks.

We owe our power of innovation to more than 2,500 committed employees worldwide. A source of expertise that 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, in the qualification of our employees, and in service that guarantees optimal on-site support.





**WE BUILD
WHAT CONSTRUCTION SITES NEED.**



All construction projects have one thing in common: they need a sound subsurface. That's why single drum rollers play a crucial role in the construction process. The requirements are, however, very different. Building next to a listed property requires a different compaction approach to paving a country road. BOMAG offers a wide range of single drum rollers for every requirement. From compact and manoeuvrable for urban areas on thin to medium fill layers to large

and powerful models for embankment construction, with smooth, padfoot, or unique BOMAG polygonal drums - our range of machines provides you with the right equipment for every construction site. They have ranked no. 1 on the market for years. Nevertheless, our design engineers manage to make the best even better with every new generation.



IMPRESSIVE IN EVERY DETAIL.

WHAT MAKES OUR SINGLE DRUM ROLLERS UNIQUE:

OPTIMUM RESULTS

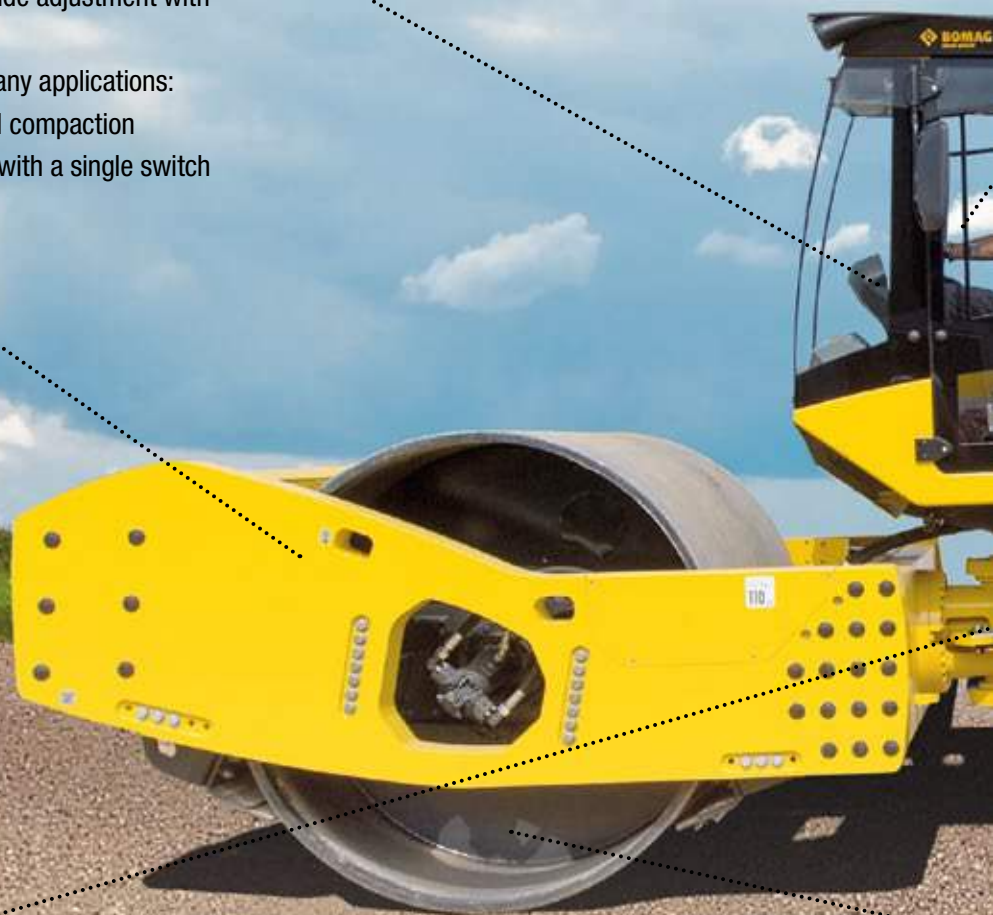
- Automatic amplitude adjustment with VARIOCONTROL
- One machine - many applications: gentle to powerful compaction
- Simpler operation with a single switch

MORE EFFICIENT COMPACTION

- Compaction measurement with ECONOMIZER and TERRAMETER
- Documentation with BOMAP
- Uniform compaction across the entire job site
- No unnecessary passes

EASY SERVICE

- No lubrication, maintenance-free articulated joint
- All components arranged for easy access with the latest engine technology





ERGONOMIC CABIN

- Spacious and comfortable
- Excellent overview of the machine
- More pleasant working

SMART ENGINE TECHNOLOGY

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

OUTSTANDING GRADEABILITY

- For steep slopes of 60% or more, thanks to double pump technology
- Always best traction in both forward and backward travel



A BOMAG ADVANTAGE: THE WORKPLACE.

RELAXED WORKING MEANS BETTER TRACKING.

When our engineers developed the workplace for BOMAG single drum rollers, it was with operators in mind. The result: optimum conditions for precise and fast on-site work.

The cabin has a spacious design with excellent all-round visibility. Even during longer operations, the ergonomic seating ensures fatigue-free driving. The steering wheel is optionally adjustable, making it adaptable to any operator. And with the optical lane assistant, the driver can easily compact along edges or track to track.

- Spacious cabin with sound and vibration insulation
- Excellent all-round visibility
- Reversing camera (optional)
- Driver comfort package (optional)
- Ergonomic seating position
- Cabin heating and heated rear window



Workplace comfort in our single drum rollers comes in many forms. Space, air conditioning, ergonomics - everything is taken care of. The best conditions for comfort and high productivity.



The cabin: airy and comfortable.



The controls: logically laid out and self-explanatory.



The steering column: perfectly adjustable to the driver.

A BOMAG ADVANTAGE: THE OPERATING CONCEPT.

PRECISE WORK THANKS TO EFFORTLESS MANOEUVRING.

Sophisticated technology doesn't have to be complicated to operate. Our machines have repeatedly and impressively demonstrated this. BOMAG single drum rollers are no exception.

We have done everything possible to ensure the driver has full control over the roller at all times. No hieroglyphics, no confusion, no guesswork: the operating concept is self-explanatory with clearly arranged controls. Clear symbols indicate the respective function and provide quick information on all important machine parameters.

The optional TERRAMETER, a development by BOMAG, provides additional support for the operator. It displays the current compaction value digitally and as a bar chart. It also clearly shows when compaction is complete. This avoids unnecessary passes, saves time, and boosts cost-effectiveness.



Integrated display: clear and informative.



A BOMAG ADVANTAGE: THE LATEST GENERATION OF ENGINES.

YOU CAN MAKE BIG SAVINGS WITH INTELLIGENCE.

Every power unit contains BOMAG's full innovative force. Our single drum rollers are powered by engines from proven manufacturers paired with robust hydraulic concepts. Available in TIER 3, TIER 4 final and Stage V, they fulfil all legal emission regulations. The smart ECOMODE speed control saves up to 30% fuel and significantly reduces noise levels. And with the optional ECOSTOP, the engine shuts down automatically after a defined idle time. This further reduces fuel consumption and wear.

- Latest, environmentally friendly engine technology
- ECOMODE demand-driven engine management: cuts fuel consumption by up to 30% and provides a quieter working environment
- Even more economical, even quieter: optional ECOSTOP automatic shutdown system

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






Big mouths welcome: all service points easily accessible.



All cables protected from damage.



A yellow Bomag single-drum roller is shown in operation on a steep, rocky slope. The machine is tilted to the right, with its large front drum resting on the uneven ground. The operator is visible in the cab. The background features a clear blue sky with a bright sun, and some green trees are visible on the right side of the slope. The overall scene conveys a sense of ruggedness and heavy-duty work.

Reliability under the toughest conditions: with the manual slip control in the D machines and the double pump drive in the DH/PDH machines, Bomag sets new standards in the gradeability of single drum rollers.

A BOMAG ADVANTAGE: GRADEABILITY.

FULL POWER, EVEN ON SLOPES.

Safety is our top priority. This is particularly evident when our single drum rollers operate on steep slopes. Ground contact is maintained even on highly uneven surfaces, ensuring excellent traction.

BOMAG single drum rollers are true climbing pros. With the D machine, they already achieve gradeability of up to 53%. The rear axles have a self-locking differential. This translates into forward drive, even under the toughest site conditions. In the DH/PDH version, the double pump system optimally converts engine power into traction. Even gradients of over 60% are no problem.

- Ground contact at all times, even on extremely uneven surfaces
- Self-locking differential
- Over 60% gradeability with double pump system



Outstanding gradeability in forward and reverse travel...



...thanks to the double pump system.



Found before you even start searching: the service points.



Smart: operating fluids can be drained from the outside.



Cleanly engineered: the articulated joint is maintenance-free; the machine requires no lubrication whatsoever.

EASY SERVICE.

SMART DESIGN MEANS SIMPLE MAINTENANCE.

Our service concept follows a clear objective: less maintenance, less downtime, lower costs. Or in technical terms: eliminate unnecessary service points and make necessary ones easier to access. For example, no single drum roller requires lubrication points. The oil dipstick, filter, filling points and drain valves are all conveniently accessible from the ground. Or the rubber buffers on the drum: they can be replaced without dismantling frame parts. Easy Service is more than just a claim. It's the result of smart technology - and therefore part of our approach to design.



Consistent quality management and unique technical systems such as ECOMODE, ECOSTOP, VARIOCONTROL and BOMAP also make our single drum rollers unbeatable in terms of cost. The Total Cost of Ownership (TCO) - meaning the sum of all operating costs - demonstrates this impressively.



TOTAL COST OF OWNERSHIP (TCO).

WEIGHS UP TO 26 TONS - BUT STAYS LIGHT ON COSTS.

BOMAG single drum rollers are not only excellent at compacting but also at saving costs. The reason for this can be summed up in two brief sentences: "We can do a lot. We offer a lot."

In short: four key factors play a decisive role in cutting costs.

Fourth: the measurement technology. This also contributes to optimising the workflow.

First: innovative technology. State-of-the-art engine and drive technology ensures workflow efficiency and saves fuel.

To sum up, a BOMAG single drum roller is the smartest investment for your firm and your finances.

Second: the maintenance concept. Longer service intervals and no lubrication mean less maintenance and less downtime - 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 optimised workflow

Third: the simple operating concept. Our user-friendly workplace design saves you costly training.



Their hallmark features: the latest technology and low operating costs.



GENUINE PARTS AND SERVICE.

QUALITY IS THE BEST PROTECTION FOR YOUR INVESTMENT.

If the label says BOMAG, you can expect real quality. This applies equally to our Genuine Parts and our service.

Anyone choosing a BOMAG single drum roller has above all opted for one thing: top quality with no ifs or buts. Genuine Parts and service are there to protect your investment. Only then is the machine's 100% performance and operational capability guaranteed – and ultimately, the productivity and profitability of your company.

BOMAG offers a range of service products to ensure you are optimally equipped.

BOMAG Genuine Parts. Our Genuine Parts meet the highest quality standards, have been tested in the field, and are precisely matched to your machine. Furthermore, through our worldwide distribution network, they are also quickly available.



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



BOMAG Genuine Parts: unmatched proven quality.



BOMAG Service Kits: all maintenance parts in one box.

BOMAG Service Kits. These packages contain everything you need for high-quality maintenance. They are individually configured for your machine by our service experts. This saves you time and money. And you get 100% BOMAG quality.



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

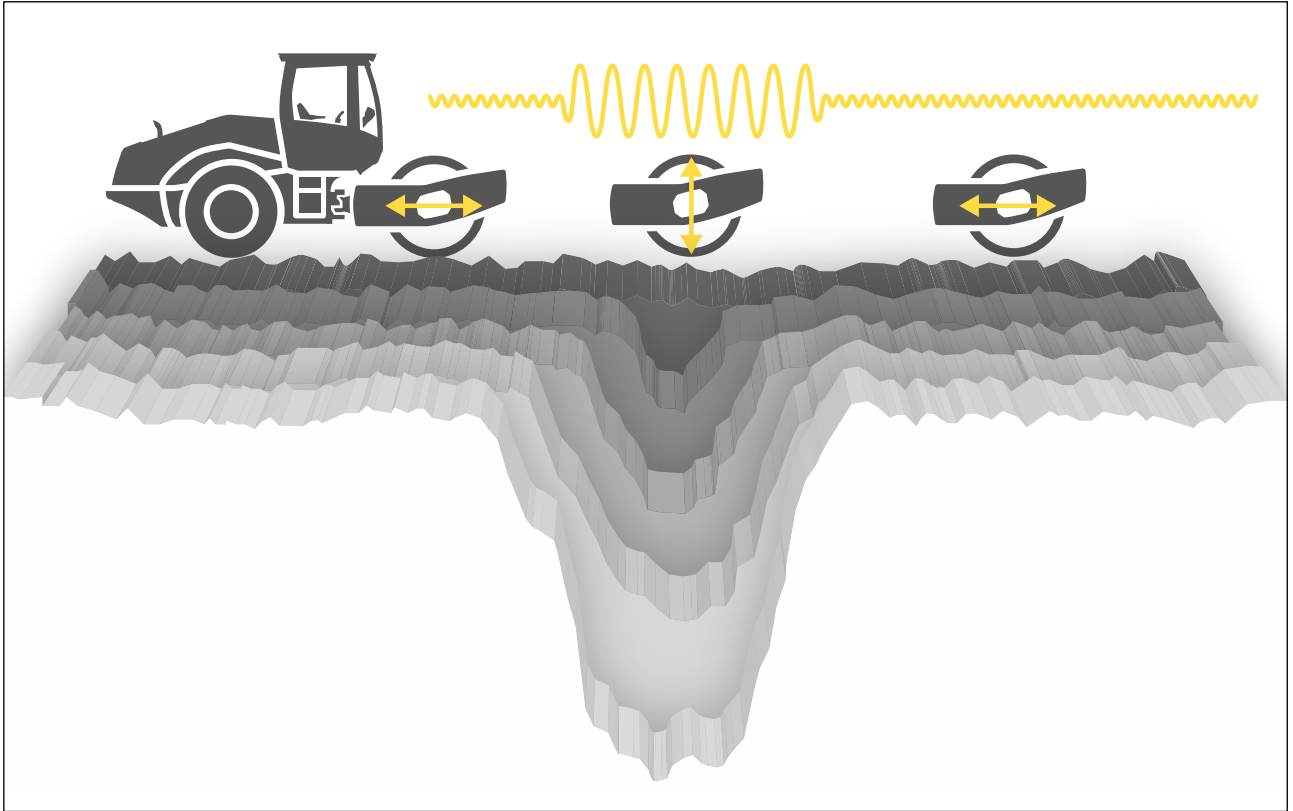
A BOMAG ADVANTAGE: VARIOCONTROL.

WHEN THE JOB DEMANDS IT, THE MACHINE CHANGES ITS BEHAVIOUR.

With VARIOCONTROL, we have revolutionised soil compaction. The drum vibrates linearly instead of in a circular motion. The amplitude can be adjusted automatically or manually. Whether you are working sensitively near delicate structures or at full compaction power: you always achieve maximum quality with minimum passes. And noticeably cut costs per cubic metre.

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





VARIOCONTROL automatically adjusts the amplitude to the degree of compaction.



Everything in hand with the ergonomic control lever equipped with built-in functions.

BOMAP: YOUR SMART HELPER ON CONSTRUCTION SITES.

GREATER EFFICIENCY WITH FEWER PASSES.

Optimum results with maximum efficiency and substantial savings. That's what BOMAP delivers. BOMAP already enables you to connect all machines, even mixed fleets.

Thanks to continuous documentation and visualisation, drivers never make one pass too many or too few. This saves fuel and working time. Machine wear is reduced. At the same time, BOMAP reassures operators that they are consistently achieving excellent quality, and optimises time management across the site. The environment also benefits from BOMAP: fewer passes mean lower CO₂ emissions. With the BOMAP Connect expansion, the entire compaction process of a construction project can be planned, controlled, tracked and documented. After switching on an Android tablet or smartphone, the installed app connects to the BOMAG JOBLINK machine interface on each BOMAG roller and registers the machine parameters. The machines wirelessly transmit all relevant

information, such as soil stiffness, velocity, frequency or amplitude to BOMAP.

The open interface BOMAG JOBLINK enables contractors to carry out further analyses. All data relevant to compaction is automatically recorded. Third-party machines in the fleet also interconnect and can transmit their passes, helping to generate a compaction record across the entire construction site. BOMAP Connect features open interfaces that enable contractors to carry out further analyses.

- Free app download
- Simple and convenient operation
- Live compaction values and progress
- For all compaction machines and manufacturers
- Immediate improvement in quality
- Reduced consumption, wear, and CO₂
- Navigation for the roller driver
- Networked, mixed construction site
- Full digital compaction verification
- Tracking of all job sites at any time in real time
- BIM compatible

- ✓ Fulfil tenders
- ✓ Provide quality certification
- ✓ Minimise risks
- ✓ Keep track of all job sites



Quickly installed: the free BOMAP app for any Android tablet or smartphone.



Increasing precision: the BOMAP GPS antenna.



Quickly installed: the tablet holder can be conveniently placed anywhere in the cabin using the quick-release fastener.



Know what's going on: Surface Covering Dynamic Compaction Control, layer by layer, across the entire construction site.



Download now and get started!

BOMAP is available for Android smartphones and tablets.

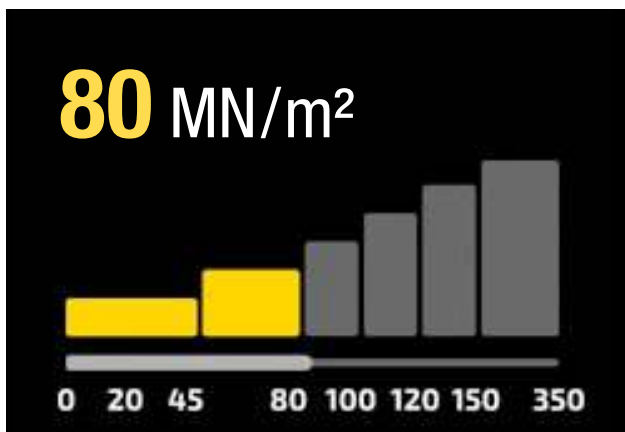
Download now ▼



OPTIONAL EQUIPMENT.

FULLY CUSTOMISED.

No two job sites are the same. BOMAG offers numerous options to equip your single drum roller specifically for the area of application on "your construction site".



TERRAMETER.

Particularly informative: the permanent display of compaction results allows weak spots to be identified and unnecessary passes avoided.



ECONOMIZER.

BOMAG ECONOMIZER is a simple compaction control system that continuously displays the degree of compaction to the operator by means of a point scale.



ECOSTOP.

Particularly economical: after a predefined idle time, the engine shuts down automatically.
That means: lower consumption and less wear.



SHELL KIT.

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



DOZER BLADE.

Particularly flexible: in landscaping, for example, the dozer blade can be used to spread and remove soil at the same time.



ATTACHMENT PLATES.

Particularly effective: attachment plates for compacting surface layers. Especially when a high surface quality is required.



REVERSING CAMERA.

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



ROPS/FOPS CABIN.

Particularly comfortable: the BOMAG ROPS/FOPS cabin offers a lot of equipment, such as heating/air conditioning, is ready for radio installation, and has space for a cool box.



THE COMPACT CLASS.

SMALLER MODELS WITH GREAT CAPABILITIES.

They're compact, manoeuvrable and real all-rounders. Our single drum rollers in the four to eight-ton weight class are the perfect choice for small to medium-sized jobsites.

BW 124

The BW 124 is our smallest single drum roller. The travel system is equipped with the powerful double pump system. This compact single drum roller can take on any challenge in pipeline construction, structural backfilling or landscaping when it comes to compacting soil for small and medium-sized construction projects in confined spaces.



Manoeuvrable, powerful and versatile.



Compact design and high compression: small dimensions and excellent manoeuvrability combined with a high compaction performance make the single drum rollers the perfect choice for inner-city sites.

BW 145 & 177

Whether with five tons (BW 145) or seven tons (BW 177), these single drum rollers make an impression on any soil type. With a smooth drum on crushed rock, gravel and sand, a padfoot drum on cohesive crushed rock, or a padfoot segment kit for flexible use. That's why these models are so popular for inner-city jobs, as well as landscaping, civil engineering and pathway construction.



Highly practical in city centres.



THE HEAVYWEIGHT CLASS.

OUR HEAVY-DUTY MODELS. UP TO ANY CHALLENGE.

Always on the move and ready for action whenever major projects are involved—from off-road soil compaction to road construction, in or out of the city.

BW 211–BW 216

These single drum rollers are used for medium to heavy compaction work. Equipped with VARIOCONTROL, they are ideal for motorway or railway line construction, for example. The BW 213 can also be equipped with attachment plates for depth and surface compaction in a single pass. This saves time and money.



Versatile machines for diverse applications.



They show true greatness on any construction site. All single drum rollers in the heavyweight class have a working width of 2.13 metres. Depending on the equipment, the BW 226 is particularly impressive with its special depth effect or even rock-crushing capabilities.

BW 219–BW 226

With a high cubic metre capacity, these single drum rollers are extremely efficient. This makes them ideal for heavy compaction work on thick fill layers, e.g. major road construction projects, airports, embankment construction or land reclamation. The depth effect of these heavy single drum rollers is enormous and can be further increased with the polygonal drum, only available from BOMAG.



The perfect companions for large projects.

MODEL OVERVIEW.



The manoeuvrable machine for confined spaces.



The heavyweight for large construction sites.



The all-rounder for any site.



The specialist for city centres.



MODEL TYPE	WEIGHT CLASS [T]	WORKING WIDTH [MM]	ENGINE OUTPUT [KW]
BW 124	3.3	1200	34
BW 145	5	1426	55
BW 177	7	1686	55
BW 211	11	2130	95
BW 212	12	2130	95
BW 213	13	2130	95/115
BW 214	14	2130	95
BW 216	16	2130	115
BW 219	19	2130	150
BW 226	26	2130	150

Subject to technical changes. Machines may be shown with optional accessories.

SUCCESS STORIES ARE BEST WRITTEN AS A TEAM.

Decades of experience, expertise and commitment to quality have made our single drum rollers what they are today: the industry benchmark in compaction technology. And we've only ever had one focus: our customers. Because you can only perform your best work with the best machines. So

your success is also part of our success story. Which is why we will continue to deliver 100% performance for you in future. With targeted training and personal on-site support. And constantly innovating on our road to the future. Together with you - as a successful team.





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