



# MAKING AN IMPRESSION.

THE 5TH GENERATION OF PERFORMANCE LINE SINGLE DRUM ROLLERS



# MILLIONS OF KILOMETERS BEAR OUR SIGNATURE.

Any contractor involved in building roads, landscaping, or other earthworks projects needs one key skill: compaction. And to ensure you achieve the best results, we build the best machines for the job. From compact, maneuverable 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 and TERRAMETER, to effectively cutting 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 require load-bearing subsoil. Which is why single drum rollers play a crucial part in the construction process. Specifications, however, are highly diverse. A contractor working next to a listed building has to use an entirely different compaction method to that used in conventional road construction. BOMAG offers a wide range of single drum rollers for every type of work. From compact and

maneuverable rollers for inner-city areas on thin to medium fill layers to large and powerful models for embankment construction, with smooth, pad foot, or the unique BOMAG polygonal drum—our model range provides contractors with the right tools for every construction site. BOMAG has ranked no. 1 on the market for years. Nevertheless, our design engineers have made the best even better with every new generation.



# IMPRESSIVE IN EVERY DETAIL.

WHAT MAKES OUR SINGLE DRUM ROLLERS UNIQUE:

## OPTIMUM RESULTS

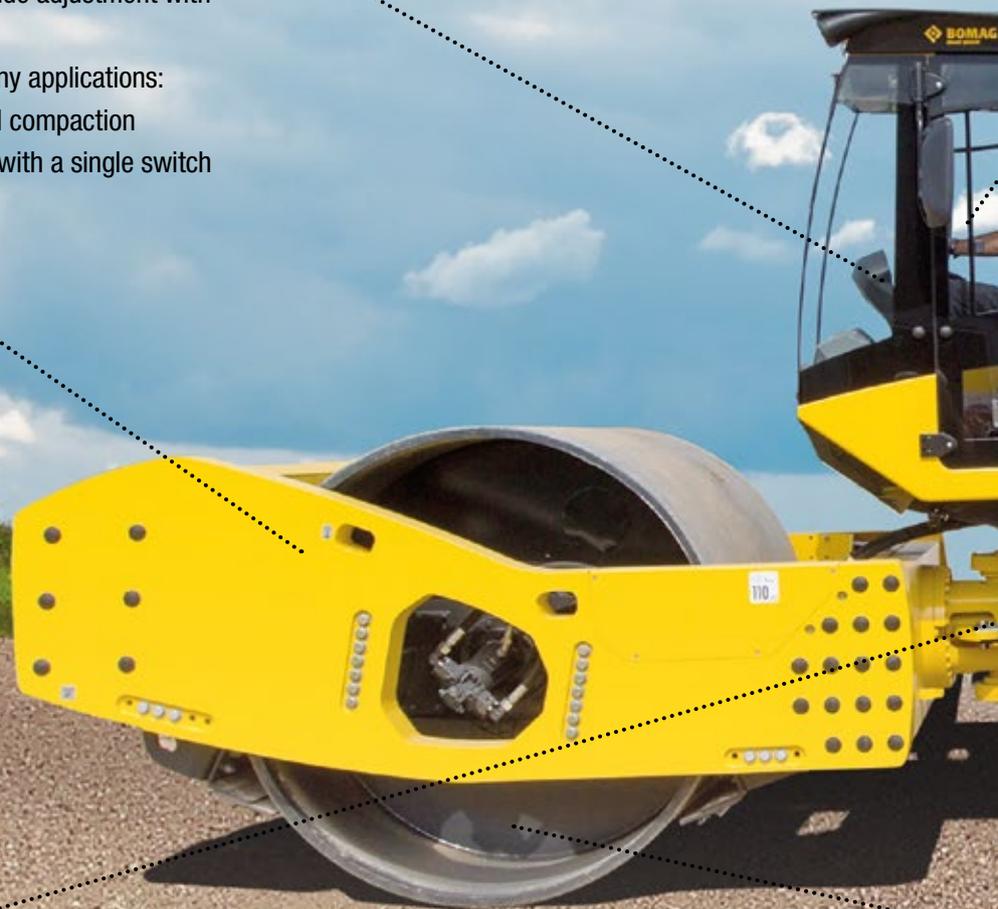
- Automatic amplitude adjustment with VARIOCONTROL
- One machine, many applications: gentle to powerful compaction
- Simpler operation with a single switch

## 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 CAB**

- Spacious and comfortable
- Clear overview of the machine
- More pleasant working conditions

## **SMART ENGINE TECHNOLOGY**

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

## **EXCELLENT GRADEABILITY**

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



BOMAG'S ADVANTAGE: THE WORKPLACE.

## RELAXED WORKING MEANS BETTER TRACKING.

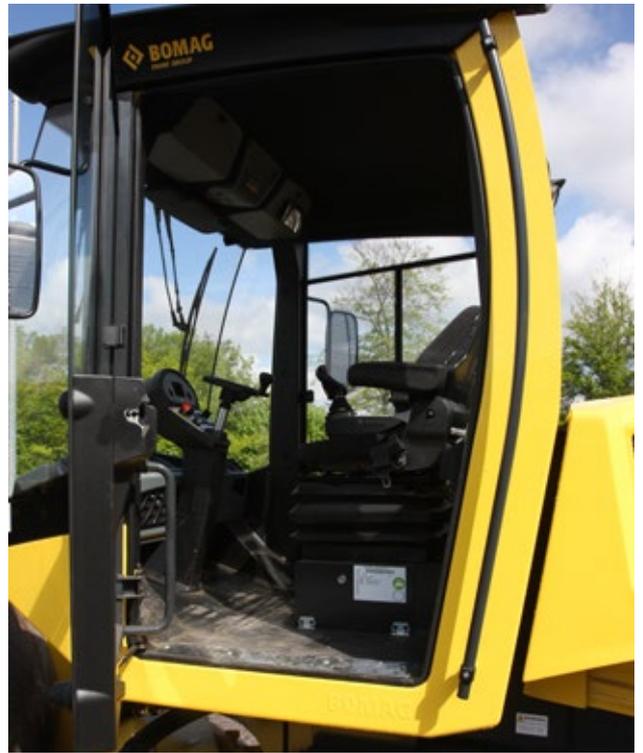
*When our engineers developed the workplace for BOMAG single drum rollers, it was with operators in mind. The result: optimum conditions for precise and fast on-site work.*

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

- Spacious cab with sound and vibration insulation
- Excellent all-round visibility
- Reversing camera (optional)
- Driver comfort package (optional)
- Ergonomic seating position
- Cab heater and heated rear windscreen



Workplace comfort in our single drum rollers comes in many forms. Space, air conditioning, ergonomics—we've thought of everything. Best conditions for comfort and high productivity.



The cab: 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.

## EFFORTLESS MANEUVERABILITY FOR PRECISE WORK.

*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 control units. Clear symbols indicate the respective function and provide quick information on all important machine features.

The optional BOMAG-developed TERRAMETER provides extra support for the driver. It displays the current compaction value digitally and as a bar graph. Additionally, 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 ENGINE GENERATION.

## 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 fulfill the legal emission regulations. The smart ECOMODE speed control saves up to 30 percent 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 percent 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 system adjusts the engine speed directly to the power requirement.





Big mouths welcome: all service points easily accessible.



All cables protected from damage.



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 with our single drum rollers 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 percent. 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 percent are no problem.

- Constant ground contact even on extremely uneven surfaces
- Self-locking differential
- Over 60 percent gradeability with double pump system



Outstanding gradeability in forward and reverse travel...



...thanks to double pump system technology.



Found before you even start searching: the service points.



Smart: operating fluids can be drained from the outside.



Cleanly executed: The articulated joint is maintenance-free; the machine needs 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: eliminating unnecessary service points and making necessary ones easier to access. For example, no single drum model requires lubrication points. Oil rod, filters, 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 an important 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 cutting 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 measuring technology. This also contributes to optimizing 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 servicing intervals and no lubricating mean less maintenance and less downtime—and time is money.

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

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



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



GENUINE PARTS AND SERVICE.

## QUALITY IS THE BEST PROTECTION FOR YOUR INVESTMENT.

*When it says BOMAG on a roller, you can expect real quality. This applies equally to our Genuine Parts and our service.*

Anyone choosing a BOMAG roller opts for one thing above all: unrivaled quality, without compromise. Genuine Parts and service are there to protect your investment. Only then can the machine deliver peak performance and operational capability - and ultimately guarantee your company's productivity and profitability.

BOMAG offers various 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. They are also quickly available worldwide thanks to our global sales network.



BOMAG service stands for fast, reliable, on-site assistance. BOMAG has 12 international subsidiaries and over 500 dealers around the world in more than 120 countries.



BOMAG Genuine Parts: unmatched proven quality.



BOMAG Service Kits: all maintenance parts in one box.

**BOMAG Service Kits.** These packages contain everything required for high-quality service. Our maintenance experts put them together individually for your machines. This saves you time and money. And you get 100 percent BOMAG quality.



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

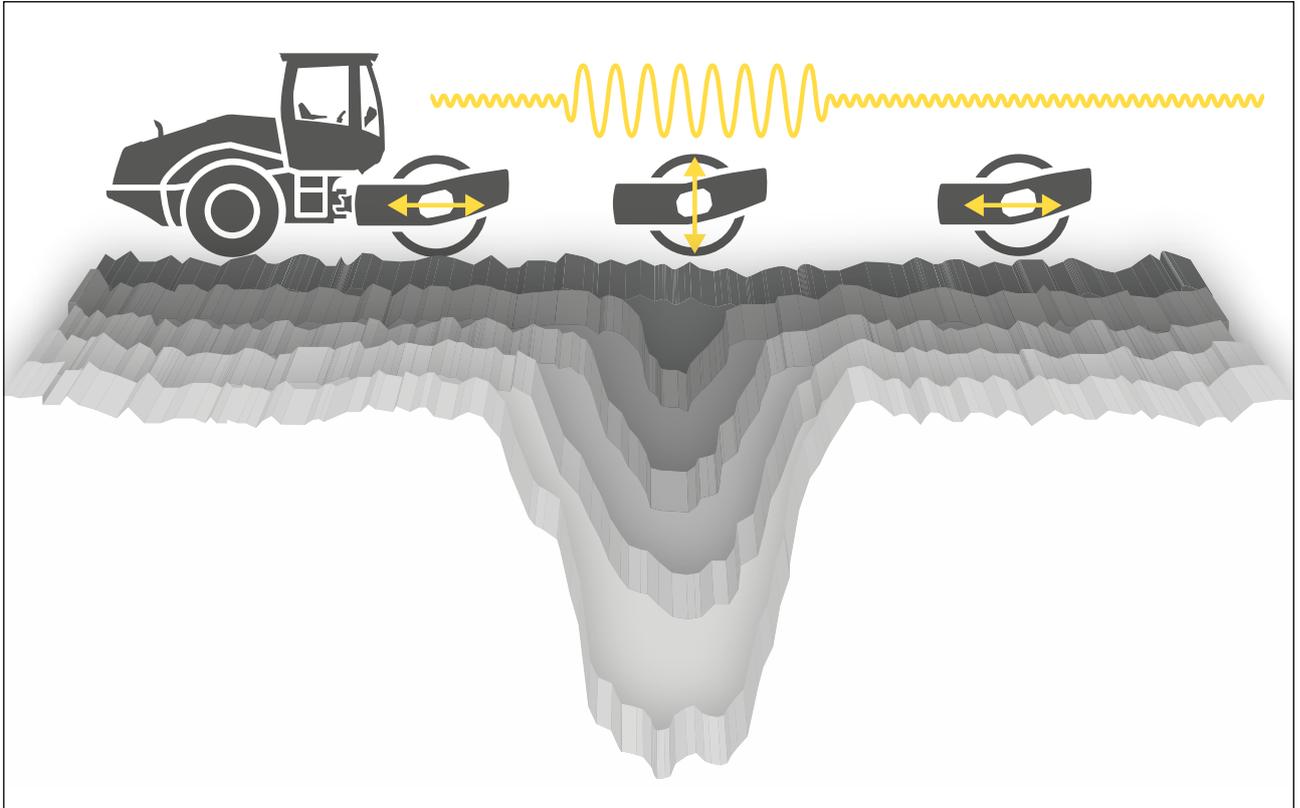
A BOMAG ADVANTAGE: VARIOCONTROL.

## WHEN THE JOB DEMANDS IT, THE MACHINE CHANGES ITS BEHAVIOR.

With VARIOCONTROL, we have revolutionized soil compaction. The drum vibrates linearly instead of in a circular motion. The amplitude can be adjusted manually or automatically. 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 meter.

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





VARIOCONTROL automatically adjusts the amplitude to the degree of compaction.



Everything under control 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 visualization, 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 while optimizing time management across the site. The environment also benefits from BOMAP: fewer passes mean lower CO<sub>2</sub> emissions. With the BOMAP Connect extension, 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 transfer all relevant

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

The open interface BOMAG JOBLINK enables contractors to carry out further analyses. All compaction-relevant data 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 CO<sub>2</sub>
- 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

- ✓ Fulfill tenders
- ✓ Provide quality certification
- ✓ Minimize risks
- ✓ Keep track of all job sites



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



Increasing precision: the BOMAG GPS antenna.



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



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



## Download and get started!

BOMAP is available for Android, smartphones and tablets.

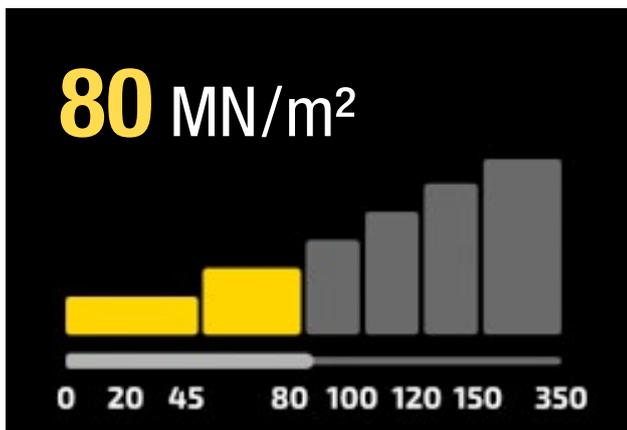
Download now ▼



OPTIONAL EQUIPMENT.

## FULLY CUSTOMIZED.

*No two jobsites are the same. BOMAG offers many options to adapt your single drum roller to the specific needs of "your 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 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 versatile: 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 color display in the cab, significantly increasing operational safety.



**ROPS/FOPS CAB.**

Particularly comfortable: BOMAG's ROPS/FOPS cab offers many features, such as heating/air conditioning, radio preparation and room for a cool box.



THE COMPACT CLASS.

## SMALLER MODELS WITH GREAT CAPABILITIES.

*They're compact, maneuverable 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.



Maneuverable, powerful and versatile.



Compact design and high compression: Small dimensions and great maneuverability combined with strong compaction performance make these 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, landscaping, civil engineering and pathway construction.



Highly practical in inner cities.



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 models are used for medium to heavy compaction work. Equipped with VARIOCONTROL, they are ideal for highway construction or railroads. 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 meters. Depending on the equipment, the BW 226 is particularly impressive with its special depth effect or even rock-crushing capabilities.

## **BW 219–BW 226**

These single drum rollers are extremely efficient with a high cubic meter capacity. 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 the 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 maneuverable model for confined spaces.



The heavyweight for large construction projects.



The all-rounder for any site.



The specialist for inner cities.



MODEL TYPE	WEIGHT CLASS [T]	WORKING WIDTH [MM]	ENGINE POWER [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

Technical modifications reserved. Machines may be shown with optional accessories.

# SUCCESS STORIES ARE BEST WRITTEN AS A TEAM.

Decades of experience, expertise and the pursuit of 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 a part of our success

story. Which is why we will continue to deliver 100 percent 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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