



# CAN DO EVERYTHING, EVERYWHERE.

THE BOMAG BF 300 CITY PAVER.





# MILLIONS OF KILOMETRES BEAR OUR SIGNATURE.

You build the finest roads so we can all make the quickest progress. And to ensure your rapid progress, we build the best machines. As a member of the leading international FAYAT group, we supply machines for all areas of road construction – from soil compactors and cold planers to recyclers, from asphalt rollers to pavers. For over 60 years, the history of our company has been synonymous with the history of road construction.

With our accumulated know-how, we are an innovation driver that sets the pace for an entire industry. BOMAG has developed a wide range of technologies, from systems for measuring and controlling compaction such as the ECONOMIZER and ASPHALT MANAGER, to technologies for reducing operating costs such as ECOMODE, and the most effective screed heater on the market: MAGMALIFE. We offer solutions for a wide variety of applications.

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 our more than 2,500 employees worldwide, their commitment, and their unique wealth of experience. A source of know-how 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 with a service that guarantees optimal on-site support.











HIGHWAY PAVERS  
**BF 900 and BF 800**

UNIVERSAL PAVERS  
**BF 700 and BF 600**



Road construction is a complex task. That's why every BOMAG paver is systematically designed for efficiency – regardless of the class and whether it is a wheel or chain version. This applies as much to the lower fuel consumption as to fast operational readiness and excellent pre-compaction. Developed and optimised by engineers, who can draw upon half a century of experience,

particularly in respect of efficient road construction. Every machine leaves our factory with the highest possible level of reliability. Another reason why selecting BOMAG ensures an investment that pays off for a long time.



CITY PAVER  
**BF 300**

MINI PAVER  
**BF 200**



# GOOD JOB. ESPECIALLY THE DETAILS.

WHAT MAKES OUR BF 300 UNIQUE:

## HIGHEST OPERATING COMFORT

- Perfect visibility from any position thanks to SIDEVIEW function
- Optimal ergonomics due to the practical operating concept



## MAXIMUM LONGEVITY

- Sturdy design
- Guaranteed service life
- Intelligent system layout
- Strongly-built wheel or chain drives
- Robust screed construction

## INTELLIGENT EFFICIENCY

- ECOMODE engine and hydraulic management
- Optimal performance with reduced fuel consumption







## FASTEST POSSIBLE HEAT-UP TIMES

- MAGMALIFE innovative screed technology
- Best results right from the start
- Uniform thermal image



## SHORTER SET-UP TIMES

- QUICK COUPLING quick attachment system
- More flexibility on the construction site



Also available as a wheel-drive model

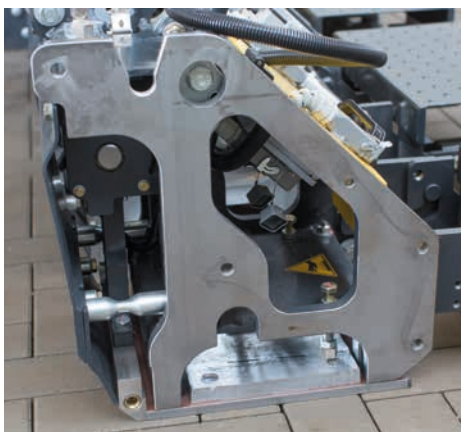


TYPICAL BOMAG: MAGMALIFE.

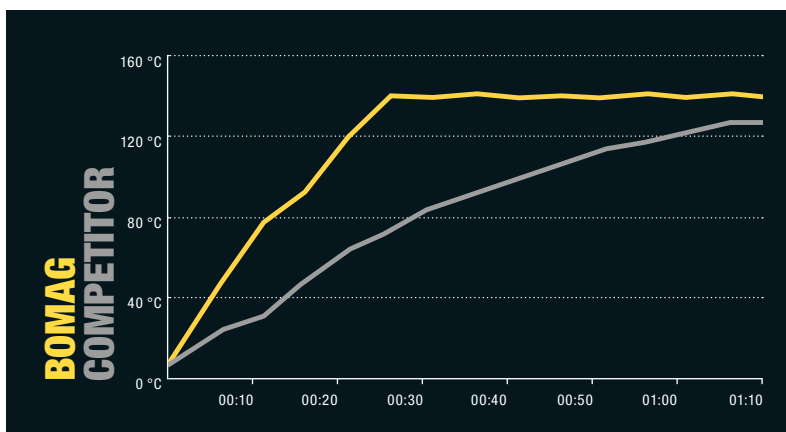
## A PAVER THAT HEATS UP QUICKER, FINISHES SOONER.

High temperatures are absolutely crucial in asphalt construction. With MAGMALIFE we have redefined screed heating. All the heating rods are cast into one aluminium block. Because of aluminium's excellent thermal conduc-

tivity, the heat-up time is significantly shorter. After just 20 minutes the BF 300 reached operating temperature, while at the same time ensuring even temperature distribution in the screed.



Surprisingly simple: Heating system with monitored heating circuits.



BOMAG compared to conventional electric screeds.



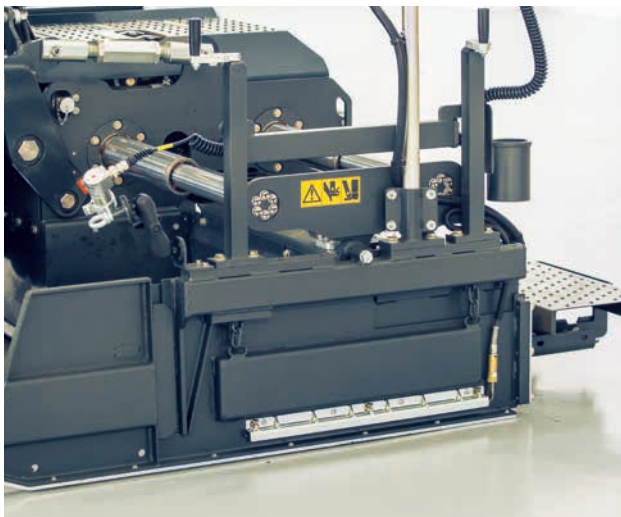
Perfectly protected: Cast-in heating elements.



Another advantage is the independent side plate heating. This allows you to experience precision work right from the start.

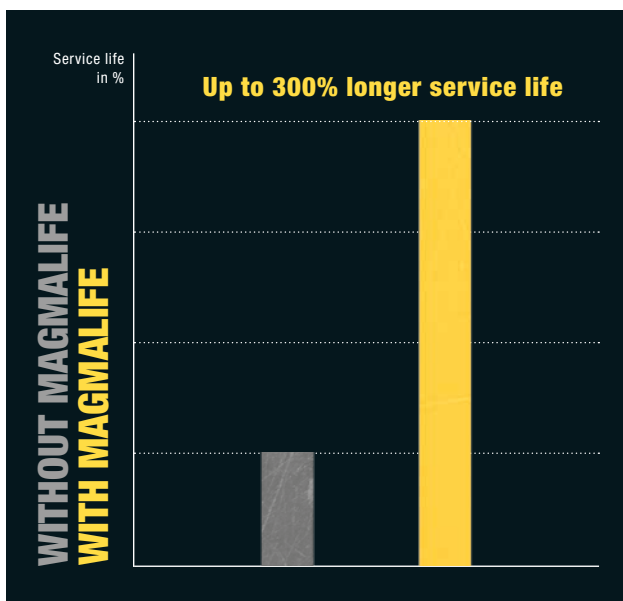
The special BOMAG quality can be felt even earlier: The operation is easy, logical and intuitive. Your employees can concentrate directly on the actual job. And you can depend on exceptional reliability. The high aluminium content

offers increased corrosion protection. You are additionally protected by the 2-year guarantee on the aluminium heating plates. Every part of this machine is designed for a high level of performance. This is also ensured by a generously dimensioned power generator. Bring on your challenges: On the road, get set, go!

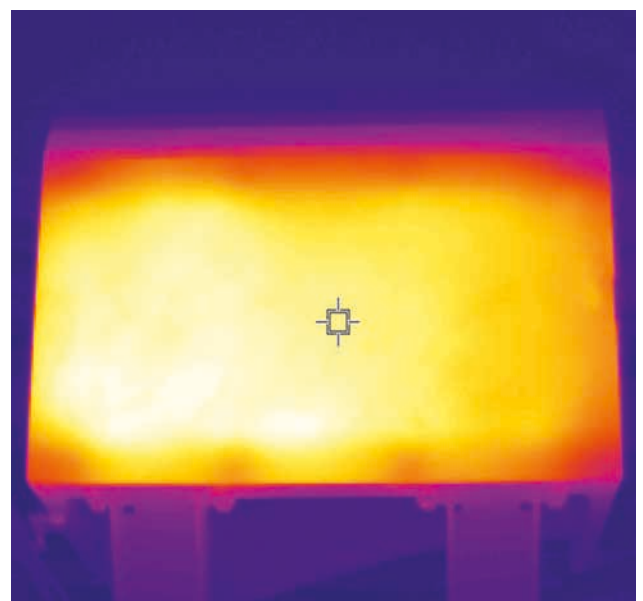


Heatable side plates.

Speed is not a question of magic, but the result of innovative, user-oriented engineering. The new MAGMALIFE screed heating is ready for operation three times faster than conventional systems.



BOMAG compared to conventional electric screeds.



Optimal temperature distribution.





Highest efficiency best describes our QUICK COUPLING technology. It is a perfect example of how our engineers think: brilliantly simple rather than simply complicated. And that's what counts on the construction site.





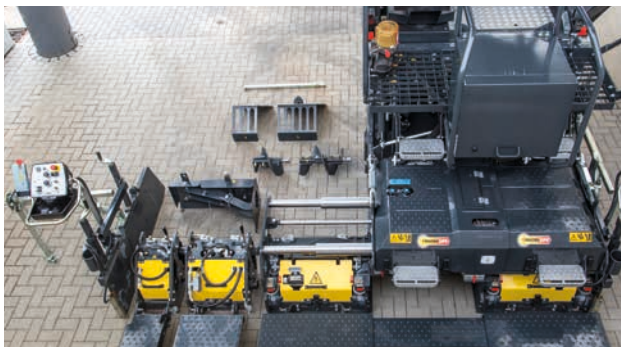
## TYPICAL BOMAG: QUICK COUPLING.

# EQUIPPED WITH SHORT SET-UP TIMES.

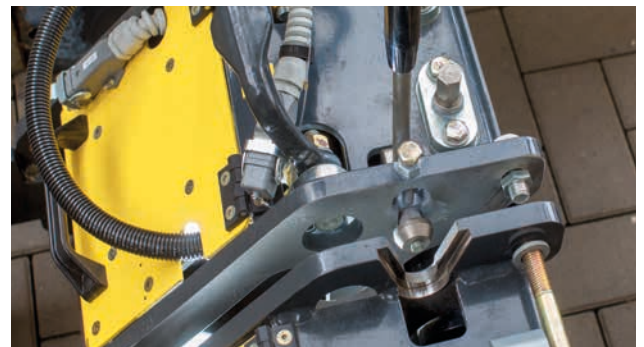
Fast, simple, perfect: That's what BOMAG's QUICK COUPLING stands for. A smart quick-attachment system which allows screed extension without fiddly screw fastenings. The result: a simple and energy-saving assembly, which can be carried out by anyone on the construction site, and correspondingly shorter changeover times, which significantly reduce costs. The use of sliding couplings makes it child's play to connect the tamper and vibrating drive. Even with extensions and side plate installed, the transport dimensions do not exceed 2.55 m; expensive

special transports are not necessary! On the other hand, it provides increased flexibility of operation: Only BOMAG offers a paving width of 1.7 - 5 m. That is the benchmark.

The bottom line is: Equipment with intelligent technology solutions results in higher productivity because not a minute of working time is wasted. Both at the actual construction site and also during transport from one site to the next.

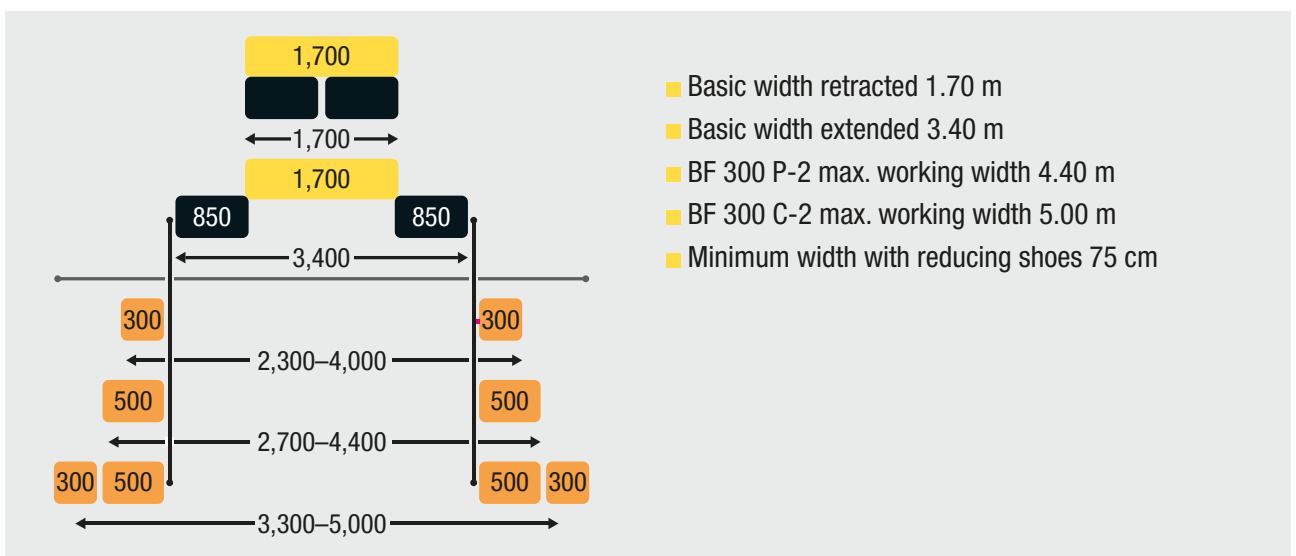


Maximum flexibility, few parts, quickly assembled.



Brilliantly simple: The receptacle of the QUICK COUPLING system.

## PAVING WIDTHS FOR ANY CONSTRUCTION SITUATION







TYPICAL BOMAG: ECOMODE.

## SMARTER UNDER THE HOOD.

With the ECOMODE concept, BOMAG offers its customers surely the most effective and efficient pavers on the market. As an active engine and hydraulic management system, ECOMODE has a positive effect everywhere:

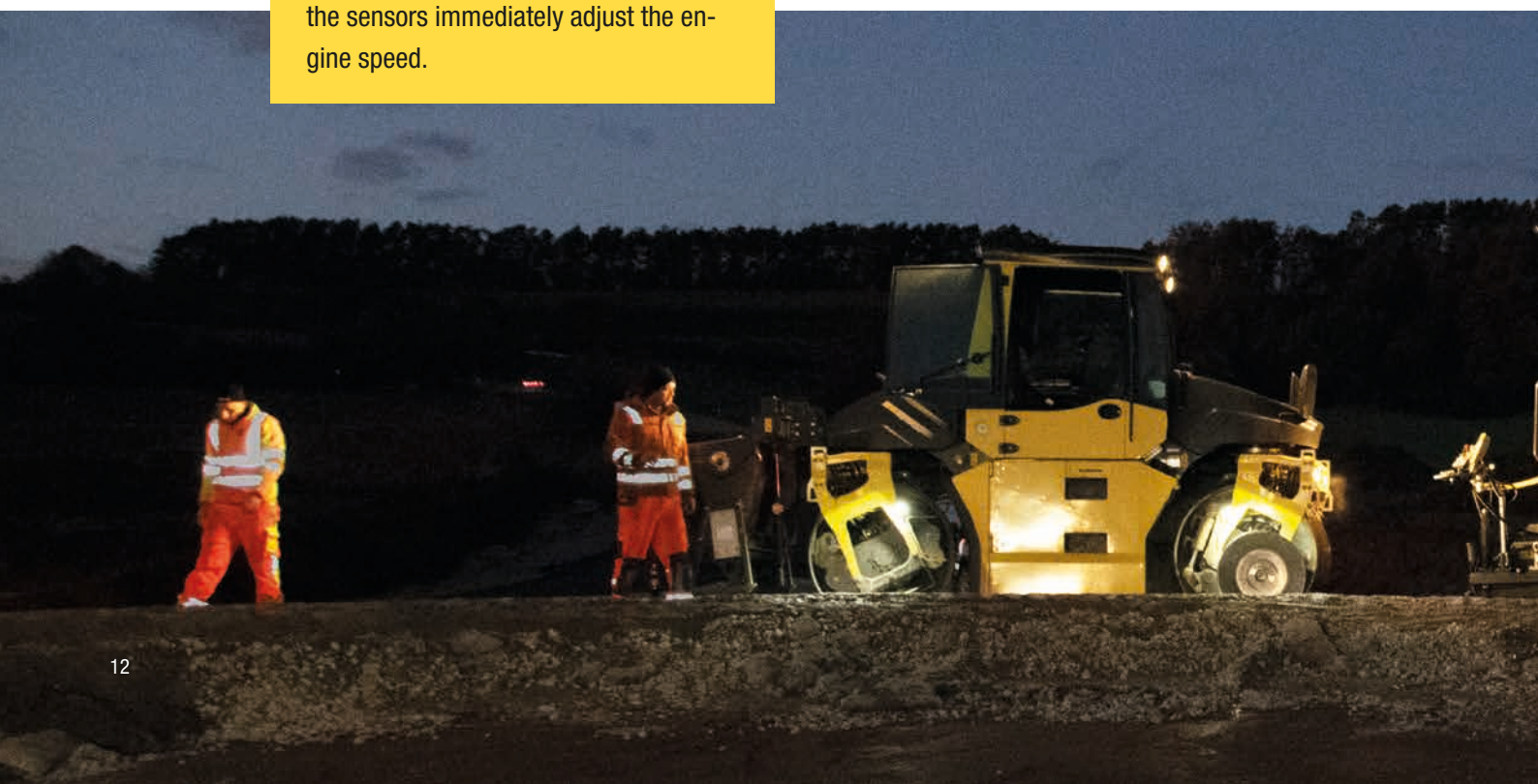
With optimum performance combined with low noise levels, reduced fuel consumption and CO<sub>2</sub> emissions. You make powerful progress and, in keeping with the times, show the necessary respect for your operators' ears and the environment. This is due to ECOMODE's smart working principle. Put simply: The system's variable displacement

motor pump is self-regulating, meaning that only the power that is actually required is called up at any time. All functions are supplied with exactly the right power for the respective construction site requirements. The result is an impressively high degree of energy efficiency.

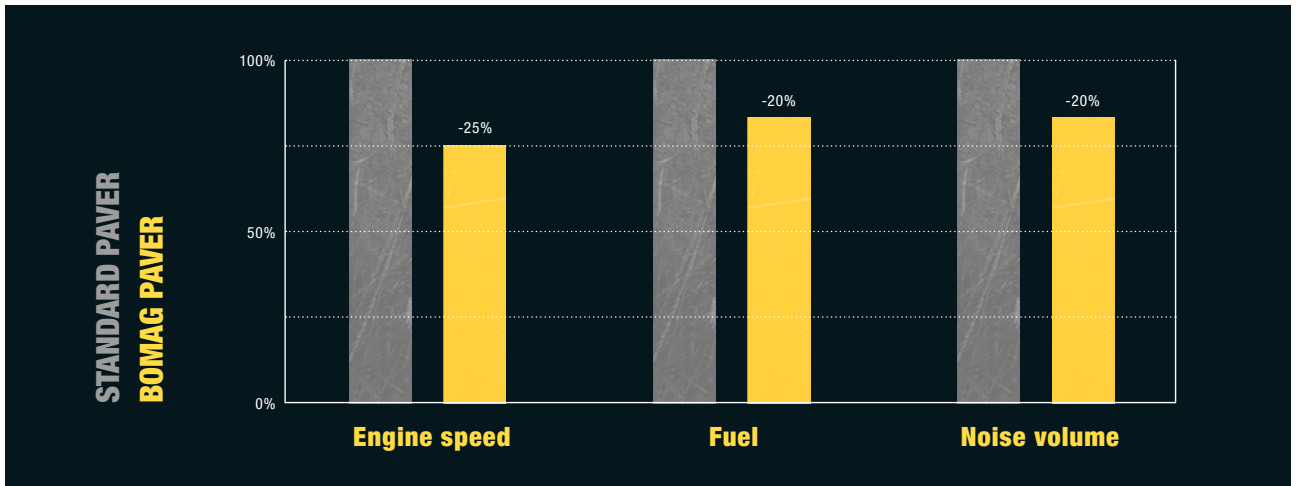
Especially in inner-city applications, it becomes clear that the BF 300's environmentally-friendly performance is a real asset.

Experience has shown that 80% of daily work can be performed in the cost-efficient ECOMODE.

Only when more power is required do the sensors immediately adjust the engine speed.







ECOMODE stands for excellent system layout.



The drive train with a generously-dimensioned cooler ensures stable operating conditions.







## TYPICAL BOMAG: SIDEVIEW.

# ALWAYS KEEP THE OVERVIEW.

What makes all our latest generation pavers outstanding also applies to the BF 300: Our engineers focussed on comfort, ergonomics and operability. The result: the patented BOMAG SIDEVIEW system.

At the core is the unique, highly flexible operator's stand. It combines the laterally slidable driver's platform with the individually adjustable driver's seat, which is sensibly air-suspended and heatable. 15 different positions of the control station and the driver's seat, give the operator a truly comprehensive view of the hopper, the auger, the direction of travel, the screed operator and, above all, of other team members on the construction site.

Enhanced work comfort = better work results, a simple equation that we apply in many ways. With the simple and safe access to the operator's stand, for example, the maximum space it offers, and not least the effective weather protection provided by the hardtop and optional wind-screen.

In the end, it is the user-friendliness that determines the quality of the work. All the functions are clearly assigned on the main control panel. Every single function can be selected directly via switch, ensuring safe and fast working. It also supports intuitive operation, which in turn ensures a smooth workflow. Within a very short time, even new employees feel at home on the machine.

The BF 300's operating comfort can be clearly experienced when manoeuvring on narrow, demanding construction sites. If, for example, asphalt needs to be installed close to a wall or other obstacle, the side-mounted operator stands can be rotated so that no scratches occur on the walls or the control stands themselves. At this point, convenience and economy go hand in hand. Typical BOMAG: well thought-out down to the smallest detail.



Everything at a glance: good visibility in the entire working area.



Ease of operation in every situation.





Road construction is precision work. For this reason, we developed our pavers with the operators in mind: How can the machine make their job easier? The answer is a driver's stand which, thanks to SIDEVIEW technology, enables the operator to keep an eye on everything important.

The right position for every situation: the comfortable operator's stand.

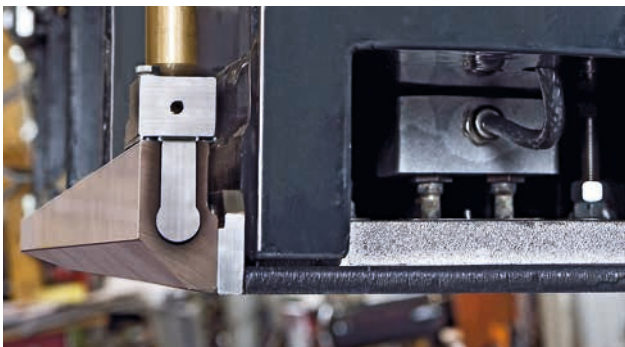
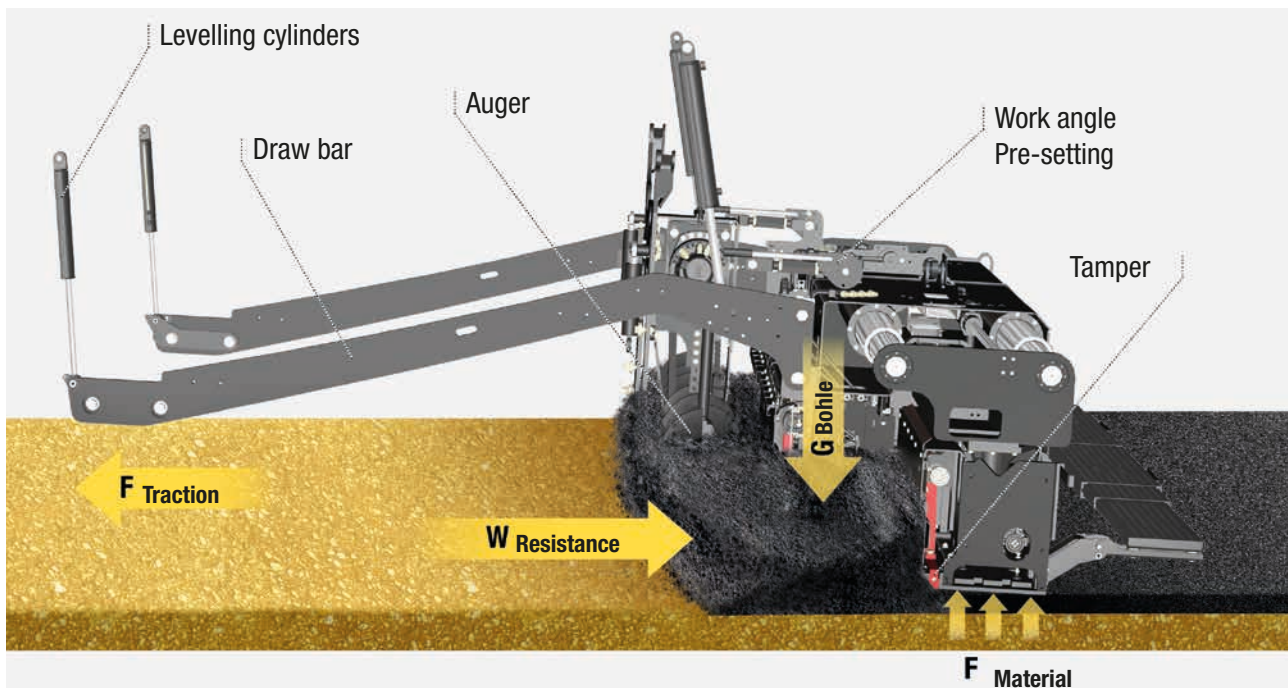


FOR HIGHEST PRE-COMPACTION:

## THIS IS HOW COMPACTION REALLY WORKS.

The pre-compaction BOMAG high-performance screeds offer results from the combination of the vibrating screed plates, the tamper frequency and, of course, the company's more than 60 years of experience. In combination with the high dead weight of the screed and the great depth of the screed plates, highest pre-compaction values can be achieved easily. Up to 90% – and this with the standard screed; a unique feat compared to its competi-

tors. The level of pre-compaction can be individually adjusted by controlling the frequencies for the vibration units and the tamper bar. However, the decisive factor for the end result, i.e. uniform final compaction, is not only the level of pre-compaction. Equally important is its uniformity across the entire screed width. Both factors together determine the evenness quality – and this is precisely one of the BF 300's greatest qualities.



The best materials for consistently high pre-compaction.



Deep levelling plates for perfect evenness.



FOR PERFECT EVENNESS:

## THINKING AHEAD, SO EVERYTHING RUNS SMOOTHLY LATER.

Perfect evenness of the asphalt surface is the declared goal of your work. To make this a reality, we devoted a lot of thought to it from the very first design drawing. For example, we ensured the optimum weight distribution of the robust BOMAG high-performance screed, whose stable running properties ensure a perfect asphalt surface even when paving is interrupted. Its enormous self-supporting capacity and rigidity even make 5-m paving widths possi-

ble without supports. The levelling plates are not only generously dimensioned, but also made of highly wear-resistant steel in a manufacturing process that allows the highest precision. When it comes to outstanding evenness and a perfect surface structure, we at BOMAG leave no room for chance.



Perfect evenness.

### The features of the BOMAG high-performance screeds

- Max. paving thickness 25 cm
- Levelling plate depth 33 cm
- Levelling plate thickness 12 mm
- Electric heating
- Crown profile  $-3.0\%$  to  $+4.5\%$
- Tamper frequency 0-30 Hz
- Vibration frequency 20-50 Hz
- Basic weight unmounted 1,500 kg
- Screed available as TV (with tamper and vibration) or V (with vibration only)



FOR PRECISE RESULTS:

## THE MATERIAL FLOW MAKES ALL THE DIFFERENCE.

An even amount of material in front of the screed is an important factor for the floating behaviour and thus decisive for perfect evenness. The BF 300's optimally-dimensioned auger distributes the material perfectly in front of the screed; it can be controlled and reversed separately and prevents material segregation even with large paving widths. The control of the auger by ultrasonic sensors en-

sures the even and appropriate material distribution in front of the screed. The powerful hydraulic drives always have adequate reserves, but can still be finely adjusted. And if something needs to be serviced, all auger blades can be replaced individually. This saves time and money. And increases availability.



Generously dimensioned hoppers.



Perfect material distribution.



Optional hydraulic hopper wing.

MAINTENANCE WITH A CONCEPT:

## SIMPLE IS SIMPLY THE BEST.

The maintenance of the BF 300 is as simple as its operation. As every function is controlled by its own switch, every switch can also be replaced separately. Thanks to wide-opening doors, the engine compartment with the hydraulic systems is easily accessible from every side and all the filters can be reached comfortably and centrally

from one side. Good ideas, such as the fully-automated central lubrication system, contribute to the BF 300's remarkably long maintenance intervals. To keep any downtimes as short as possible, we offer carefully selected maintenance and emergency kits.



Our employees have a solution for any problem.



All you need for maintenance: BOMAG Service Kits.



All you need in case of emergency: BOMAG emergency kits.



Not only competent but also fast: our service.



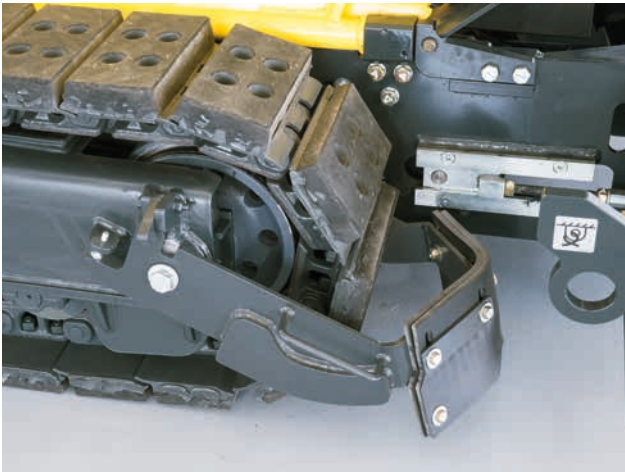
FOR MORE TRACTION:

## YOU HAVE ATTRACTIVE ALTERNATIVES.

Everyone has different priorities and expectations of their machine. Especially because no two construction sites are the same. This is why we offer our BF 300 with a drive that is optimally tailored to your individual requirements. Wheel or chain? You decide!

The BF 300's hydrostatically driven track chain ensures the necessary stability on construction sites where space is tight on both sides.

This drive system, as well as the interaction of chain motors and variable displacement pumps, ensures dead straight paving and a high tractive force at the same time. The chains make the BF 300 not only extremely efficient, but also highly manoeuvrable. The maintenance is also particularly effortless. Thanks to the chain scrapers and the hydraulic track chain tensioners, the maintenance requirements are very low.



Chain scrapers guarantee low maintenance.



Long crawler tracks ensure dead straight paving.



Individually controllable chains allow turning in the tightest of spaces.

Also hydrostatically driven and a welcome sight on any construction site, but completely different nonetheless: the BF 300 with wheel drive. To cope with loose soil, the 4x6 or 6 x 6 wheel drive can be adjusted as required and thus retains its maximum tractive force. This is supported by various hydraulic locks that completely prevent slippage. In addition, the pivoting front axle suspension guarantees constant ground contact. Thanks to the wheel drive, the BF 300 can then easily drive to the next construction site under its own power. A real gain in mobility.



Pivoting front axle suspension for constant ground contact.



Optional 6 x 6 wheel drive for maximum tractive force.

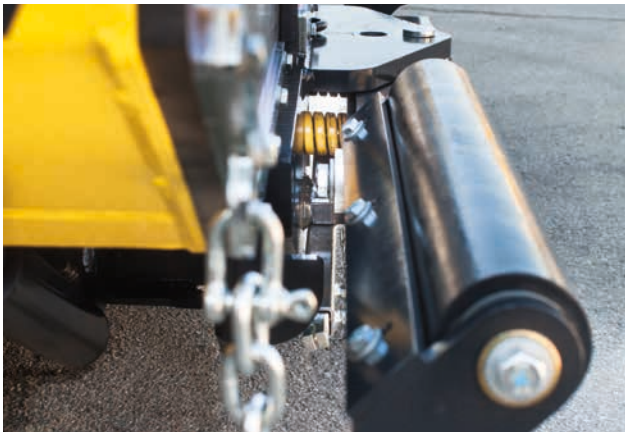




## OPTIONAL EQUIPMENT:

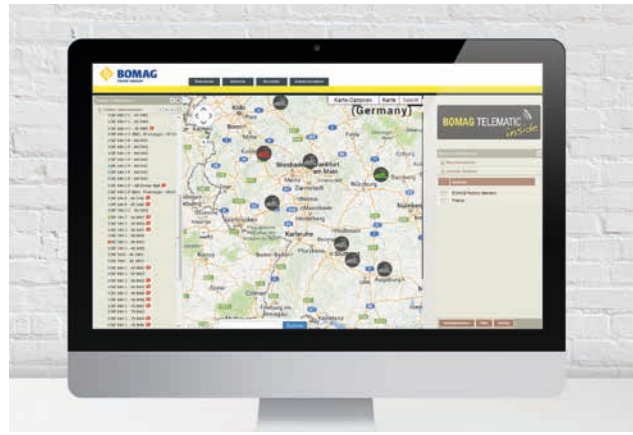
# WE BUILD THE BF 300 ACCORDING TO YOUR WISHES.

*Although the BF 300 already leaves the factory with everything needed for operation, as a customer you have plenty of scope to create your idea of the perfect machine.*



### DAMPENED PUSH ROLLERS

Especially gentle: The spring-dampened push rollers ensure impact-free docking when the truck is changed. This allows you to continue working without errors.



### BOMAG TELEMATIC

Especially informative: You know at any time where the BF 300 is located, how it is being used, and when the next service is due.



### CLEAN-UP SYSTEM

Especially fresh: The ventilation system extracts asphalt fumes from the augers and discharges them through the exhaust on the roof. Which is welcomed by all operators.



### ELECTRICALLY HEATABLE SCREED SIDE PLATES

Especially clean: These plates prevent bitumen sticking to the cold side plates of the screed and leaving unwanted traces on the asphalt.



#### **CENTRAL LUBRICATION SYSTEM**

Especially reliable: The fully-automated, centrally located pump supplies lubricants to the basic screed, conveyor belt and auger.



#### **WEATHER PROTECTION**

Especially comfortable: The windshield and side panels provide optimum protection in all weather conditions.



#### **POWER MOON**

Especially bright: If you would like to further increase the high illumination provided as standard, we can provide an additional balloon together with mounting materials.



#### **LEVELLING SYSTEMS**

Especially sensitive: Various levelling systems providing height and lateral sensing activated by sensors are optionally available ex works.





The **BF 300** is an 8.5-ton machine that is ideally suited for inner-city redevelopments. However, its versatility also makes it highly suitable for rural path construction.

## NEEDS LITTLE SPACE TO RAISE THE BAR.

Compact, comfortable, uncompromising: Wherever you use the BF 300, you can rely on its outstanding qualities. It is as robust as a large paver, but also as compact as a city paver should be.

It is easy to use: quiet, manoeuvrable, powerful, and just as easy to operate as it is to maintain and service. And when it comes to achieving a perfect paving result, the

BF 300 is all the more uncompromising thanks to its screed technology.

With BOMAG's more than 60 years of expertise behind you, you can face any challenge with confidence.



	<b>BF 300 C</b>	<b>BF 300 P</b>
Weight	8.8 t	8.8 t
Hopper size	4.8 m <sup>3</sup>	4.8 m <sup>3</sup>
Engine	55.6 kW Kubota	55.6 kW Kubota
Exhaust classification	Tier 4 final	Tier 4 final
Screed type	S 340-2 TV	S 340-2 TV
Compaction unit	Tamper Vibration	Tamper Vibration
Standard paving width	1.7-3.4 m	1.7-3.4 m
Maximum paving width	5 m	4.4 m
Screed type	S 340-2 V	S 340-2 V
Compaction unit	Vibration	Vibration
Standard paving width	1.7-3.4 m	1.7-3.4 m
Maximum paving width	5 m	4.4 m







# QUALITY QUICKLY BECOMES EVIDENT.

Everywhere. It's no surprise, therefore, that our machines are in use around the globe. On major projects, such as the construction of the motorway from Beijing to Inner Mongolia, or for jobs slightly closer to hand, like repairing a municipal roundabout. In

both cases it is important to deliver excellent results. This is what we stand for as your technology and service partner. Success comes from teamwork.





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