

BOMAG single drum rollers. The Compact Class.



This new range of highly compact and mobile single drum rollers has been designed for hard work on a wide variety of inner-city, landscaping, civil engineering and highway construction projects and combine power with easy handling. These units satisfy the toughest demands for gradeability and low-cost efficiency.

High Performance

Compaction
High compaction performance on all applications

Efficiency
Low running costs and versatility



These rollers are ...
versatile, cost-effective, and durable

ance. Easy operation.



Transport
Compact design for easy
site to site movement

Handling
Simple operation and
high comfort workplace

Service
Dependable support
and extended service
intervals

... with this compact range of BOMAG single drum rollers.

BOMAG compaction – more power for higher outputs.

Equip the rollers to suit your work requirements with circular exciters or BOMAG VARIOCONTROL with directed amplitude for efficient compaction in the toughest of conditions. Automatic amplitude control with BOMAG VARIOCONTROL (optional), makes this new single drum range the ideal choice for compaction work near sensitive structures.

Optimised weight ratios reduce the risk of drum bounce. Amplitudes of up to 2.5 mm provide optimum compaction performance in a compact design.

This single drum roller range comes in a number of versions: machines can be equipped with a choice of

- Smooth drum
 - Pad foot drum
 - Pad foot segmented shell
- to suit the specific work in hand.

The DH series features impressive gradeability.



BOMAG VARIOCONTROL control panel.

The high powered drive

The dual pump drive system delivers more traction allowing the machine to climb up to 56% gradients with ease.

Outstanding efficiency

Compact dimensions reduce transport and operating costs.

- Compact design
- Easy access lashing rings
- Fast and straightforward loading
- Total machine height of just 2.80 m allows transportation flexibility

The ECOMODE feature (standard) allows the roller to adjust engine speed to match the work load intensity, resulting in up to 30% less fuel consumption. The engine stop (optional) switches off the engine after a specified stationary period to prevent unnecessary fuel consumption. All new single drum rollers in this generation use future-proof level 4/tier 4 engine technology and run without additives. Low emissions mean these rollers are particularly suitable for use in inner-city areas.



Optimum view of the rolled edge.



Easy access for fast servicing.

Maintenance and servicing is easy

BOMAG has designed these units for ease of service. All BW 145 and BW 177 service points can be easily accessed from the ground. Lubrication require-

ments have been eliminated. Robust BOMAG components are used to ensure extended service intervals.



Lashing rings for safe transport.



Clear design of the operating area.

The practical and comfortable workplace.

- The roller can be mounted and dismantled from both sides
- More space and storage in the new operator's platform
- The control panel is arranged logically and clearly
- VARIOCONTROL: new integrated functions for simplified operation
- Compact design with wide windscreen for optimum overview
- Opening in front frame for best view of rolled edges
- Articulated steering automatically centres in the central position for stress-free operation

Additional equipment for BW 145 /BW 177

- Dozer blade
- Warning beacon
- StVO lighting (complies with German road traffic regulations)



Operator area with more storage and entry from both sides.

Dozer blade. Easy manual operation with the travel lever.



BOMAG measuring systems for models BW 145 and BW 177.

BOMAG Terrameter

The BOMAG Terrameter has set new standards. The E_{VIB} value provides a measurement for soil stiffness directly related to the plate bearing test. E_{VIB} is clearly expressed in MN/m². Only BOMAG uses two measuring sensors on the drum to optimise measuring accuracy. The measured density E_{VIB} is calculated every 10 cm. Weak points are detected to minimise manual checks. Unnecessary passes or degradation of the soil structure is avoided.

Advantages at a glance:

- E_{VIB} value displayed in MN/m²
- Surface covering compaction control
- Display of the end of compaction g result: optimum passes
- Integrated printer (optional)

BOMAG Compaction Management (BCM 05)

The BCM 05 saves E_{VIB} values for the entire site. Compaction can be tracked in real time, path by path, and location by location on the large display. The colour display immediately shows what is happening and where. Data can be transferred to the site office by USB stick for further analysis and archiving.

BCM 05 positioning enables the E_{VIB} values to be combined with positional data from the BOMAG StarFire GPS receiver. BCM 05 positioning creates accurate compaction maps, needing no input from the driver.

The BOMAG StarFire receiver achieves accuracy to 10 cm without need for a local reference station. This system really could not be more flexible, accurate or easier to use!

BOMAG BCM start

BOMAG BCM start allows passes to be documented across the entire surface. On site, uniform, controlled and efficient compaction work that both roller operators and the site manager can control and understand is key. With BCM start BOMAG now offers a very easy to handle and attractively priced system for surface covering documentation.

The roller operator can locate his position and see the number of passes achieved during compaction on the integrated tablet PC, and whether targets have been achieved or further passes are required. A PDF document can be taken from the system using a USB stick to log the completed work.



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