

Pneumatic Tyred Roller

BW 24 RH/BW 27 RH



BW 24 RH and BW 27 RH Pneumatic Tyred Rollers

Traditional compaction technology – with hydrostatic drive

Simple Operation

- Clear dashboard layout
- Driving/braking control as in automotive design
- Choice of 3 travel speeds

ROPS Cab

- Optimum visibility (1m x 1m)
- Swivel/sliding seat
- Low noise level

Large Capacity Diesel Tank

- Easy access
- Over 12 hours operation

Water Tank (Plastic)

- For wheel sprinkler system

Powerful Drive

- Reliable engine
- Easy access
- Environmentally friendly



Drainage for Water Ballast (Optional)

- Easy and fast

Access Steps

- Effortless and safe

Hydrostatic Drive

- 2 hydraulic motors
- Sensitive; smooth handling
- 2 multi-disc brakes for parking and dynamic service brake

Automatic Tyre-Inflation System (Optional)

- Flexible pressure adjustment on the run
- Safety valves prevent total air loss on all tyres through leakage

Emptying Ballast

- Large openings on both sides

Steering Axle

- 2 steering pivots with axle and wheel hub oscillation
- Uniform compaction across the working width
- Good conformity on uneven surfaces

Flexible, Low-Cost Compaction

Drive concept: efficient and safe

The BW 24 RH / BW 27 RH BOMAG pneumatic tyred rollers combine traditional compaction technology with a modern hydrostatic drive. The rear axle is now driven by two hydraulic motors. This system is efficient and optimizes operating and maintenance costs.

Automotive controls:

The pneumatic tyred rollers are driven using gas pedal and brakes as in conventional cars. The hydrostatic drive also gives highly sensitive control when manoeuvring. This is important for smooth reversing. However, the system also sets new standards with regard to safety: e.g. by using the dynamic service brakes. These are maintenance-free, heavy-duty and supplement the hydrostatic brake effect.



The BW 24 RH and BW 27 RH are flexible pneumatic tyred rollers for compaction work in asphalt and earthworks.

Simple to operate:

As is typical on BOMAG machines, all operating controls are within easy reach. The dashboard is clearly arranged for more safety and efficiency. The operator's platform has a swivel/sliding seat and two steering wheels. Precise rolling along edges or high-speed transport over surfaces is safely mastered.

Application areas:

BOMAG pneumatic tyred rollers are used for a wide range of compaction work.

This includes:

- Soil and asphalt
- Compaction of stabilized soil layers
- Rolling chippings on surface dressing.

Kneading and rolling effect of the wheels:

Pneumatic tyred rollers achieve a high level of compaction quality from the kneading and rolling effect of the wheels. Highly uniform compaction is produced which also gives a dense finish at the surface. The heavy weight of the rollers (up to 27 t) generates a vertical pressure combined with horizontal forces acting in all directions beneath the tyres.



Two complete operator platforms with swivel/sliding seat make work more efficient and give good visibility.



Sensitive speed control using a hydrostatic drive.



Easy and quick to service: The engine is easily accessible from all sides.

Flexible Weight Adjustment:

The BW 24 RH and BW 27 RH BOMAG rollers can be adjusted to provide the specified weight for the job. To achieve this, different ballasting options are available. The rollers can be pre-ballasted with individual weights (attached under the frame). The large ballast space (approx. 3.5 m³) is usually filled with sand or steel scrap for flexible weight adjustment. With the watertight, welded frame option, the rollers can also be ballasted with water.



Standard equipment: pressurized sprinkling produces even wetting – regardless of gradients or water tank level.

The experience of the market leader

The advantages:

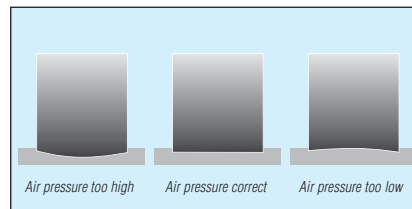
- *Good visibility: the roller complies with 1m x 1m visual range legislation*
- *Efficient hydrostatic drive; sensitive speed control*
- *Simple servicing and low maintenance costs*
- *Flexible weight adjustment from 8.5 to 24 t and 13 to 27 t*
- *Easy water ballasting (optional)*

Special compaction:

- *Automatic tyre inflation system for quick adjustment of the internal tyre pressure (optional)*
- *Careful compaction of thin layers or shift sensitive mixes*
- *Especially dense, close-knit surface finish*
- *Good wheel track overlap*

The correct contact pressure:

The success of compaction work is primarily determined by the correct contact pressure. Accordingly, the pressure in the tyres can be varied within a range of 2 – 8 bar. Higher air pressure produces better compaction depth effect which is important for thicker soil and asphalt layers. Lower tyre pressures are suitable for thin cover layers. In principle, the air pressure is adjusted to give even surface contact by the tyres; a curved profile should be avoided.



Even weight distribution on each tyre.

Design feature protecting against overturning thanks to level compensator.

BW 24/27 RH – Level compensator.

BOMAG provides local service and support no matter where your next contract is located.

As world market leader in compaction equipment, we offer you the widest range of products backed by expert support and advice aimed at keeping your operation profitable.

Modern manufacturing plants in Germany, USA and China together with licencees and partners around the world supply BOMAG rollers to global markets.

Regional customer care is centred on six branches in Germany, eight subsidiaries in Austria, Canada, China, France, Great Britain, Italy, Japan and USA, one sales office in Singapore and over 500 independent BOMAG dealers.

BOMAG Service. Everywhere and for every need. Our branches and dealers are backed by BOMAG's Central Parts warehouse where about 40,000 parts are held against customer requirements. You expect top service from BOMAG. We aim to provide it.

Quality! For the paint finish of the machine BOMAG as far as possible uses a high quality environmentally friendly powder coating, which excels by its excellent resistance against corrosion, scratching and ultraviolet light.

BOMAG. The world's foremost compaction company.

The machines illustrated may show optional equipment which can be supplied at additional cost. Specifications may change without notice.

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