



**WACKER
NEUSON**



Everything is perfectly on track.

The Wacker Neuson product range for track construction.

Step by step to the perfect route in track construction. With equipment from Wacker Neuson for compaction and maintenance.

"For me, the hammers by Wacker Neuson are unbeatable in track construction. Especially for tamping and lining, they are the ideal equipment for small and medium maintenance tasks."

Zuko Cheung
Track construction staff, China



"Depending on the track permanent way form and track distance, there is about 3,000 to 5,000 m³ of crushed stone on every kilometer of a double track line. In order to optimally compact this amount, you need equipment with a high compaction performance. Wacker Neuson offers optimal solutions here."

Mike Callahan
Head of track construction, South of England



"Those maintenance strategies that offer a high degree of durability and track quality and simultaneously are associated with the lowest possible operating obstacles are optimal. In order to achieve this, we use gasoline demolition hammers and supply technology by Wacker Neuson."

Milan Sládek
Track construction engineer, Czech Republic



TAMPING

BH 55rw gasoline demolition hammer



COMPACTION

Coupling set
DPU 130



SUPPLY

Light
Generators



EXCAVATION / BREAKING LOOSE

Excavator



TRANSPORTING / LOADING

Wheel loader
Crawler-mounted dumper



Tamping, lining, compacting with one unit. Gasoline demolition hammers are inseparable from track construction.

The BH 55rw gasoline demolition hammer provides ideal conditions for use in track construction, because railroad ballast must always be reworked punctually and precisely, especially to maintain the railway network.

The tamping requires a rather gentle force in the process, because the ballast may not be damaged. On the other hand, a certain percussion rate is required so that the ballast is properly compacted. The BH 55rw offers just this combination. The "rw" ending here stands for "railway" and refers to the 1,350 blows per minute with 55 joules of single stroke impact energy that is optimal for equipment use in track construction.



BH 55rw



- 55 joules of single stroke impact energy
- 1,350 blows per minute
- Specially designed for use in track construction
- 4.5 m/s² hand-arm vibrations*

* The hand-arm vibration is therefore below the limiting value of 5 m/s². This allows for a continuous use of up to eight working hours per day. According to the EU directive EU 2002/44/EC.



BH 55rw

GASOLINE DEMOLITION HAMMERS

| Tool holder mm | ø 27 x 80 | hex 25 x 108 | hex 28 x 152 | hex 28 x 160 | hex 32 x 160 |
|-------------------------------|--|-----------------|-----------------|-----------------|-----------------|
| L x W x H mm | 842 x 492 x 346 | 852 x 492 x 346 | 898 x 492 x 346 | 898 x 492 x 346 | 898 x 492 x 346 |
| Weight kg | 25 | 25 | 26 | 26 | 26 |
| Percussion rate 1/min | 1,350 | 1,350 | 1,350 | 1,350 | 1,350 |
| Single stroke impact energy J | 55 | 55 | 55 | 55 | 55 |
| Drive | Air-cooled, single cylinder, two-cycle gasoline engine | | | | |
| Engine manufacturer | Wacker Neuson | Wacker Neuson | Wacker Neuson | Wacker Neuson | Wacker Neuson |
| Type | WM 80 | WM 80 | WM 80 | WM 80 | WM 80 |
| Displacement cm³ | 80 | 80 | 80 | 80 | 80 |
| Operating performance kW/HP | 1.6/2.18 | 1.6/2.18 | 1.6/2.18 | 1.6/2.18 | 1.6/2.18 |
| rpm 1/min | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 |
| Gasoline / oil mixture | 50:1 | 50:1 | 50:1 | 50:1 | 50:1 |
| Tank capacity l | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| Fuel consumption l/h | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |

Professional equipment is only as good as the sum of its accessories. The BH 55rw offers the best for track construction.

Always work perfectly everywhere on the rail. Only using professional tools and accessories can a track construction pro be truly productive. Every day. And every night. For every application. The result: More value, more uses, more possibilities.



TRANSPORT CART



1 Transport cart with pneumatic tires.

The practical cart with pneumatic tires, in which the gasoline demolition hammer is stored with its tamping tools, is particularly suitable for uses on loose soil, gravel beds and rough terrain.

2 A wide range of tamping tools.

The BH 55rw offers the right tamping tool for every application in track construction. In this way, all maintenance work can be quickly and efficiently completed. Damaged sleeper screws can be quickly removed with the drive-out punch specially designed for track construction.

3 Practical ramming shoe.

For the compaction of railroad ballast on the edge of the rail. The ramming shoe supports the stabilization of the ballast bed through intermediate and front compaction.

4 Innovative spring strut.

Assists the user in guiding the gasoline demolition hammer.



1



3



4

Optimal compaction is essential in track construction. The coupling set and the DPU 130 by Wacker Neuson are perfect solutions for this.

The ballast bed of modern track systems must be precisely compacted from the start. Ultimately, the ballast bed must dissipate the entire traffic load that comes from the rails through the sleepers onto the ballast as evenly as possible on the foundation. And it is precisely here where the coupling set of DPU 130 by Wacker Neuson comes into play, because an even and uniform ballast bed is the basis for the optimal load-bearing capacity of the rails.

The **couple set** consists of 2 or 3 coupled DPU 100-70Les vibratory plates.

DPU 130



1 On track with the force of 10 tons.

Especially in track construction, the remote controlled coupling set plays its full strengths, because through the combination of three vibratory plates of the type DPU 100-70Les, this triple combination produces the remarkable power of a 10-ton roller with a weight of only 2.3 tons.

2 Powerful performance. Unbelievably maneuverable.

With the DPU 130 or the coupling set, compaction can take place economically when laying tracks and maintaining large areas. Particularly demanding and hard to access construction sections are worked effortlessly. Another benefit for track construction is the high maneuverability of the coupling set and the DPU 130 when compacting in the ballast bed.

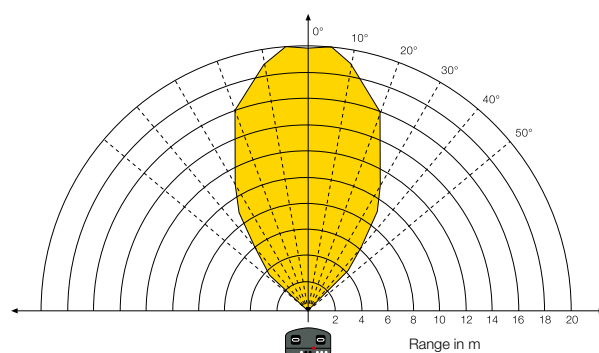
3 Safely and comfortably used.

The coupling set and the DPU 130 are equipped with the innovative infrared remote control by Wacker Neuson. With a transmission field of up to 20 meters, the remote control offers a high degree of working comfort. At the same time, it is provided with an intelligent safety concept, which ensures that the machine stops immediately if a distance of 2 meters between the operator and unit is fallen short of or if an obstacle obstructs the operator's view of the unit.



2

Large range. The wide transmission field of up to 20 m with an angle of up to 45° increases user comfort.



3

VIBRATORY PLATES

Operating weight kg

Operating width mm

Machine height mm

Centrifugal force kN

Frequency Hz

Fuel type

VIBRATORY PLATES

Operating weight kg

Operating width mm

Machine height mm

Centrifugal force kN

Frequency Hz

Fuel type

Double coupling set

Triple coupling set

1,540

2,310

1,760

2,656

910

910

200

300

56

56

Diesel

Diesel

DPU 130

1,170

1,200

988

130

58

Diesel

Light and energy set the stage for a perfect night job site. Wacker Neuson light balloons and generators.

Wacker Neuson turns the night into day and therefore allows for fast work and sections closed for only a short time. Lighting systems allow for work around the clock and generators provide the energy for this. Supply technology equipment by Wacker Neuson is an essential helper for any track construction project.



GV 5003

| | GV 2500A | GV 5000A | GV 5003A | GV 7000A | GV 7003A | G 7AI | GS 12AI |
|--------------------------|----------|----------|----------|----------|----------|-------|---------|
| GENERATORS | | | | | | | |
| L mm | 625 | 735 | 735 | 735 | 735 | 695 | 960 |
| B mm | 405 | 510 | 510 | 510 | 510 | 545 | 640 |
| H mm | 500 | 515 | 515 | 520 | 520 | 570 | 667 |
| Weight (empty) kg | 41 | 61 | 75 | 72 | 81 | 93 | 175 |
| Continuous output kVA | 2.3 | 4.33 | 5.2 | 5.5 | 7.1 | 7.0 | 11.8 |
| Frequency Hz | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Engine manufacturer | Honda | Honda | Honda | Honda | Honda | Honda | Honda |
| Tank capacity for fuel l | 11 | 11 | 11 | 11 | 11 | 15 | 24 |



LBS 80M



LTN 6LV



LBM 1

| | LBS 80M | LBM 1 | LTN 6LV |
|----------------------------------|--------------------------|--------------------------|--------------------------|
| LIGHTING | | | |
| L mm | 1,620 | 1,844 | 3,918 |
| B mm | 1,450 | 2,563 | 1,265 |
| H mm | 5,300 | 5,160 | 2,300 |
| Max. height of the light point m | 5* | 3.7 | 8.5 |
| Type of lamp | Metal vapor halogen lamp | Metal vapor halogen lamp | Metal vapor halogen lamp |
| Wattage W | 1,000 | 1,000 | 1,000 |

* Corresponds to RSA 95 (directives for the safety of work premises on construction sites)

Expand your working clearance in track construction. The compact machines by Wacker Neuson.



ET20

The compact machines by Wacker Neuson play out their full strengths in track construction as well:

Excavating, lifting, loading and transporting material is made easy on any job site. Wacker Neuson offers the right machine for every application. Whether it is a wheel loader, skid steer loader, crawler-mounted dumper or a compact excavator.



WL 50

A selection from our wide range of products:

WHEEL LOADER

Operating weight kg

Engine output according to ISO kW/HP

Shovel capacity m³

Tipping load, straight kg

Tipping load, pivoted kg

WL 48

WL 50

WL 55

WL 57

4,835

4,835

5,510

5,760

45/61

55.1/75

55.1/75

74.5/101

0.75

0.75

0.95

0.95

3,116

3,116

3,356

3,633

2,544

2,544

2,834

3,073

9503

ET20

COMPACT EXCAVATOR

Transport weight kg

Operating weight kg

Engine output according to ISO kW/HP

Digging depth mm

Max. dumping height mm

Digging radius mm

Length x Width x Height mm

9,315 – 11,260

1,880 – 2,075

9,760 – 11,705

2,025 – 2,220

74.9/101.8

13.4/18.2

3,646/3,950*/3,949¹

2,400/2,690*

4,253/4,388*/5,925¹

2,720/2,930*

6,827/7,100*/7,812¹

4,130/4,330*

6,847 x 2,465 x 2,980

4,030 x 990 – 1,300 x 2,295 – 2,385

* Long dipper arm (option)

¹ Boom (option)



A selection from our wide range of products:

CRAWLER-MOUNTED DUMPER

| | |
|------------------------------|-----------------------|
| Max. payload kg | 2,500 |
| Engine output kW/HP | 33/44.9 |
| 2 travel speeds km/h | 5.5/11 |
| Gradeability when loaded °/% | 35/70 |
| Bucket struck / piled l | 1,125 / 1,500 |
| Length x Width x Height mm | 3,692 x 1,550 x 2,500 |

DT25

SKID STEER LOADER / SKID STEER

| | |
|-----------------------------|-------|
| Payload kg | 1,150 |
| Engine output kW/HP | 63/86 |
| Operating weight kg | 4,400 |
| Additional hydraulics l/min | 85 |
| Bucket width mm | 2,030 |
| Height mm | 2,065 |
| Length with bucket mm | 3,535 |

1101

The value wheel from Wacker Neuson: The customer's success is at our center.

We win over with the values of a medium-sized, family-owned company that is publicly traded. With the strength and expertise of a globally active organization. With people that fulfill our motto every day with life and realize ideas.

We believe in quality, innovation, performance and character. And we believe in the sustainable success of our customers, whom everything ultimately is about.



Quality in the Wacker Neuson world of values.

While the term "quality" is all too often degenerated into an empty word, Wacker Neuson fills it with content and life. Finally, we see quality as a central corporate value that places customer satisfaction in the focus.

Quality in the product.

This is exactly where the value wheel of Wacker Neuson applies, because quality in the sense of product quality and meeting established norms and standards is a matter of course for the company with its decades of tradition. Here Wacker Neuson includes the innovation and practical value of its products and solutions, the maximum safety of the operator as well as comfort and economic efficiency.

Quality as added value.

At Wacker Neuson, however, the concept of quality extends well beyond the product and includes the relationships to customers and sales partners.

This form of quality is yielded by employees who have expertise and a strong customer focus, who are motivated and also have "the right attitude." They fill the Wacker Neuson quality with life. The human qualities of the daily cooperation of colleagues, customers and partners create a climate of valuation and trust.





Quality

INNOVATION

CUSTOMER

CHARACTER

PERFORMANCE



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www.wackerneuson.com