

Vibratory rammers



**WACKER
NEUSON**
all it takes!



Vibratory rammers from Wacker Neuson – on which you can rely:

1. Inventions belong to our daily business.

In terms of vibratory rammers, Wacker Neuson has always been trend-setting: in 1930, Hermann Wacker invented the first vibratory rammer and even today, Wacker Neuson is striking new and innovative paths with its zero emission vibratory rammers. In addition, Wacker Neuson offers, as the only manufacturer, rammers with 2-stroke engines. This drive is not only designed for compaction work, but also features very low emissions, thanks to its catalytic converter.

2. Broad drive know-how for the specific case.

Stroke, percussion rate, speed—a perfect compaction result depends on many factors. The driving force behind this is the engine. Here Wacker Neuson always has the right solution for you: from gasoline-driven 2- and 4-stroke engines over diesel engines to our world novelty—the battery drive.

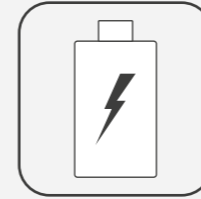
3. Comprehensive product range for you to choose from.

From the filigreed specialist for pipe spandrels to the sturdy rammer that even compacts difficult soils in an exemplary manner. The development engineers at Wacker Neuson know what vibratory rammers have to be able to do in different fields of application. In our product range, you will always find exactly the right equipment for your needs.

Wacker Neuson—all it takes!

We offer products and services rendered that meet your high requirements and diverse applications. Wacker Neuson stands for reliability. This of course also applies to our large range of vibratory rammers. We do our best every day to ensure your success. And we do this full of passion for our jobs.

Compaction expertise to the last detail.



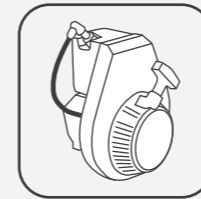
Battery-powered compaction

The battery-powered rammers are one of the various innovations from the house of Wacker Neuson. Self-sufficient and emission-free working is therefore in a new dimension. [More on page 6.](#)



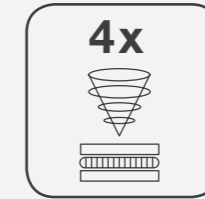
Always thinking ahead

For many decades, it has been the pioneering innovations from Wacker Neuson that have made working on construction sites more productive and comfortable.



Low-emission two-cycle engine

Vibratory rammers with a particularly low-emission two-cycle engine are available at Wacker Neuson. The WM80 was developed by us specifically to the requirements of compaction. [See page 8 details.](#)



4-stage air cleaner system

Our 4-stage air cleaner system provides clean intake air and ensures a continuous, optimal engine output.



Easy refueling

Without premixing—this is made possible by the separation of gasoline and oil tanks. For the right mixture, you can rely on an efficient oil lubrication system.

All vibratory rammers at a glance.

Battery-powered rammers:



Operating weight:	41.1 kg	70.1 kg	70.4 kg
-------------------	---------	---------	---------

> Page 06

Diesel rammer:



DS70

83 kg

> Page 11

2-stroke engines:



BS30

32 kg

BS50-2

59 kg

BS60-2

66 kg

BS70-2

74 kg

> Page 08

4-stroke engines:



BS50-4As

65 kg

BS60-4As

72 kg

> Page 10

BS70-4As

80 kg



BS50-2plus

59 kg



BS60-2plus

66 kg

> Page 08



BS70-2plus

74 kg

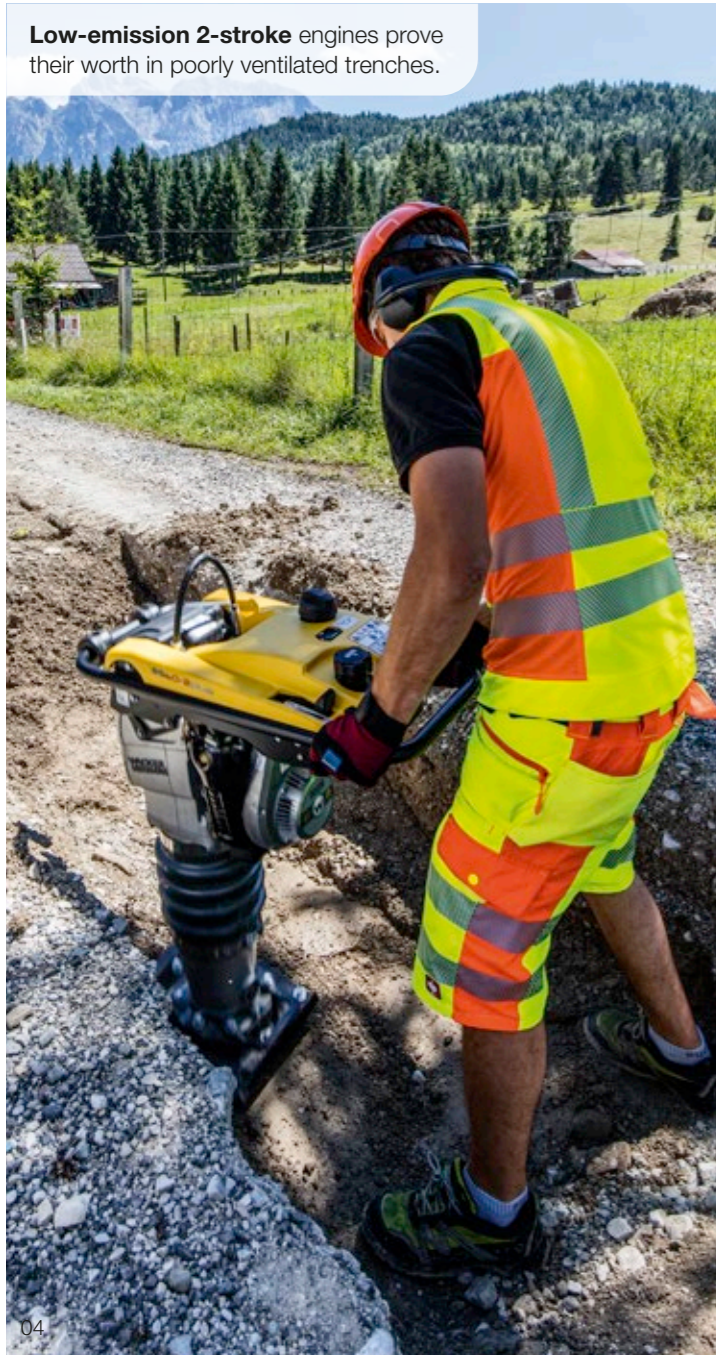
Compaction performance according to your requirements.

Well-conceived functions in the equipment and the right drive in petto: Vibratory rammers from Wacker Neuson score in all application areas with the corresponding compaction performance and matching ramming frequency. For an ideal compaction result—be it in the inner city or on the large job site.

Work 100% emission-free—
with innovative battery
technology from Wacker Neuson.



Low-emission 2-stroke engines prove
their worth in poorly ventilated trenches.



Compaction alongside pipes—
with centimeter accuracy with the
narrow ramming shoe of the BS30.



**Innovative
air cleaner
technology:**
extends the
replacement
interval threefold.



Efficient operation thanks
to a strong stroke and
faster operating speed.



**Service of
Wacker Neuson,**
If necessary personally
on the job site.



**Perfect for road and
highway construction:**
high impact force, sturdy,
easy to operate.



Battery-powered rammers

Completely emission-free compaction in trenches and internal areas - enabled by our battery-powered rammers. Thanks to a clean drive, the battery-powered rammers also meet the strictest requirements for tenders, e.g. for large-scale projects or construction sites in the city. With our powerful batteries, you will achieve a reach of more than 690 m with one battery charge. As a result, the battery-powered rammers can carry out all work that you would carry out on your average workday. For heavier use, we recommend a second rechargeable battery or recharging with a quick charger — in only 80 minutes.

- High-quality battery can be replaced easily without tools
- Health- and environmentally-friendly working in inner cities, indoors and in trenches
- Compaction performance is equal to the time-tested and proven Wacker Neuson two-stroke rammers
- Low maintenance thanks to the electric motor - up to 55% operational cost saving possible
- Low hand-arm vibrations
- Fast and reliable starting at the press of a button - even at high altitude and low temperatures

	AS30e:	AS50e:	AS60e:
Operating weight (kg)	41.7	71	71
Stroke at ramming shoe mm	40	44	61



AS30e:



AS50e:



AS60e:

zero emission

- 100% emission-free
- Cable-free battery operation
- 55% lower operating costs than with gasoline rammers

Our battery-powered rammers and gasoline vibratory rammers are fitted with the same stirrup-shaped handles. This makes the changeover to the zero emission rammers even easier.

Learn more about battery-powered rammers from Wacker Neuson at: www.wackerneuson.com/zeroemission

Charge quickly and safely

in just four hours with the standard battery charger. With the optional fast battery charger in 80 minutes (battery BP1000) or 112 minutes (battery BP1400).



Complete freedom of movement: compact dimensions make work in confined trenches easier.



Ready for use in no time:

the powerful batteries BP1000 and BP1400 are quickly charged and replaced in a few seconds. These fit both in our vibratory rammers, as well as in the vibratory plates – once purchased, twice used, lots saved.



Start conveniently: our electric devices are very easy to operate - all you need to start is the push of a button.



One battery.
Numerous machines.

2-stroke rammers

Vibratory rammers with 2-stroke engines are only available from Wacker Neuson. The powerful and self-developed engine WM80 is perfectly adapted to the specific requirements of rammers. For productive work and excellent results.



BS50-2

Low hand-arm vibrations, thanks to the specially vibration-damped handle

Very low emission values due to the standard catalytic converter

4-stage air cleaner reduces service intervals and improves the engine output

Automatic shutdown after 10 minutes idling or when starting with an empty oil tank

Narrow design for more compaction comfort even in narrow trenches

High impact energy with strong stroke and high ramming frequency

2plus



BS60-2plus

Only 2plus rammers with extra-large oil tank: top off only after 120 operating hours, optionally with lockable cover, oil and fuel tank well-protected under the hood

Comfortable operation through only one lever for start, idling and stop

Comfortable transport thanks to a large, flexible lifting point

Easy loading by means of transport rollers on the handle

Venting of the fuel line by purge bulb, thus easy starting

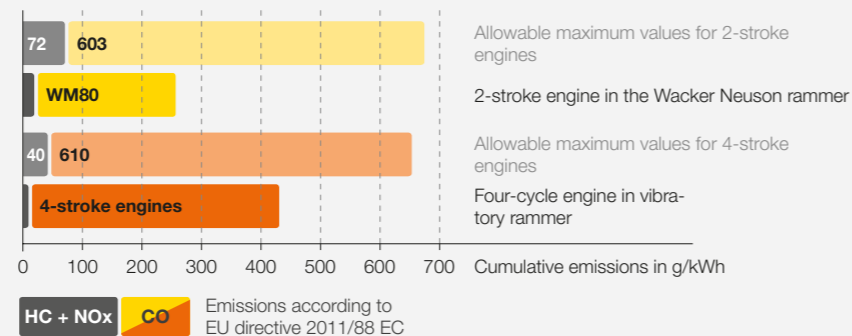
Learn more about battery-powered rammers from Wacker Neuson at: www.wackerneuson.com/2plus

	BS30	BS50-2	BS60-2	BS70-2	BS50-2plus	BS60-2plus	BS70-2plus
Operating weight (kg)	32	59	66	74	59	66	74
	Mixed lubricated models				Separately lubricated models		

Clean working: a catalytic converter is installed as standard—only Wacker Neuson offers this!



Emission values of gasoline rammers



Wrong refueling ruled out: oil tank lockable (accessories).



Feed pump at the carburetor— for full and immediate power of the WM80.



Operating hour meter: in all models to uphold optimum maintenance intervals.



4-stroke rammers

	BS50-4As	BS60-4As	BS70-4As
Operating weight (kg)	65	72	80
Type of drive	4-stroke engine		

The performance of 4-stroke rammers from Wacker Neuson will impress you every day. Well thought-out functions make the use of the equipment even safer, extend their service life and minimize maintenance.

- Fast starting behavior thanks to a small feed pump on the carburetor
- Strong stroke for heavy, cohesive soils
- Integrated low oil level protection with automatic shutdown
- Flexible lifting point for compact transport and storage
- First-class air cleaner for excellent engine output and long service intervals



BS50-4As



BS60-4As



DS70

Diesel rammer

From the compact dimensions for good handling to a well-balanced weight distribution — the DS70 scores with its inner and outer values. Due to the low CO emissions this device is ideally suited for compaction in trenches by virtue of the low CO emissions.

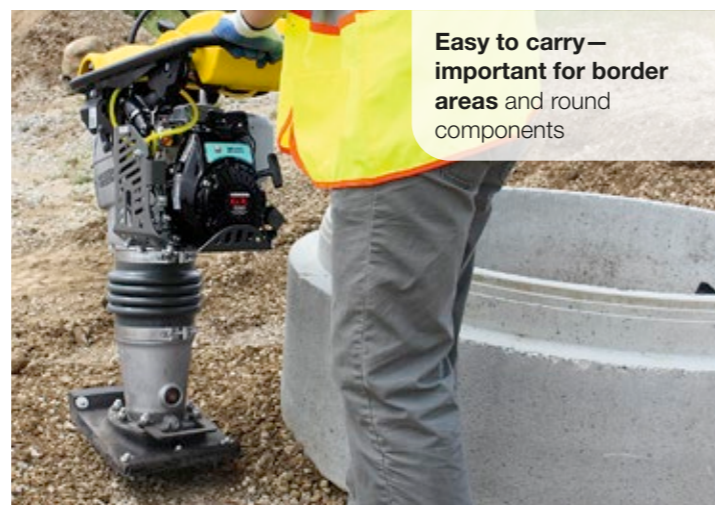
- Low CO-emission
- First-class air cleaner for three times longer change intervals
- Large corrosion resistant fuel tank with self-cleaning filter for long service life and minimum maintenance requirements
- Low hand-arm vibrations, thanks to the specially vibration-damped guide handle

	DS70
Operating weight (kg)	83
Type of drive	Diesel engine

Perfectly suited for cohesive, mixed and coarse-grained soils.

4-stage air cleaner system for gasoline vibratory rammers.

- Very good filter output thanks to the 4-stage air cleaner (consisting of a cyclonic filter, paper-lamella cleaner and twofold foam filter)
- Cleaner intake air ensures the continuous optimal engine output
- Long service intervals due to high filter capacity



Easy to carry—important for border areas and round components



With only one lever start, regulate rpm and shut down.



Exact unit guiding—important during compaction in border areas.

The right drive for every application.

Learn more about rammer emissions from Wacker Neuson at:
www.wackerneuson.com/emissions



Battery technology



With the batteries BP1000 and BP1400, Wacker Neuson has managed a real step into the future: It allows 100% electric operation of the battery-powered rammer and thus protects operator and environment from harmful emissions. With 9.4 kilograms, the batteries are extremely light and can be replaced without tools in just a few steps. Even at extreme temperatures from -10 to +50°C they run perfectly and convince with their high performance.

2-stroke engine



As the only manufacturer, Wacker Neuson has gasoline vibratory rammers with a two-cycle engine in its product range. Our development engineers have designed the WM80 engine specially for use in soil compaction, which makes it particularly robust. It also has an excellent emission behavior, inter alia due to its catalytic converter. Even the intensive construction site application does not make a difference to the two-stroke engine because in terms of compaction performance, the two-stroke engine is excellent.

4-stroke engine



With the GXR 120 from Honda, you have a powerful engine for tough construction site use. The integrated low oil level protection system checks the oil level when starting. If it is too low, the unit switches off automatically. The emissions of 4-stroke rammers consist mainly of CO. In overall, the CO emissions are around 1/3 higher than two-stroke rammers.

Diesel drive



You can fully rely on the power of the DS70 diesel engine for compaction purposes. At the same time, it is extremely low-emission and falls below the current exhaust gas standards worldwide. The compaction performance of DS70 diesel engine is impressive—over four and a half hours without interruption, thanks to low fuel consumption. In addition, the engine is extremely sturdy and durable.

Technical data

VIBRATORY RAMMERS

		AS30e:	AS50e:	AS60e:	BS30	BS50-2	BS60-2	BS70-2	BS50-2plus	BS60-2plus	BS70-2plus	BS50-4As	BS60-4As	BS70-4As	DS70
GENERAL		UNIT													
Length x width x height	mm	620 x 361 x 1,046	610 x 361 x 1,050	610 x 361 x 1,050	620 x 370 x 980	673 x 343 x 940	673 x 343 x 965	673 x 343 x 965	673 x 343 x 940	673 x 343 x 965	673 x 343 x 965	673 x 343 x 940	673 x 343 x 965	673 x 343 x 965	735 x 370 x 1,000
Ramming shoe size (W)	mm	150	280	280	150	165 280	280	280	165 280	280	280	280	280	280	280
Operating weight	kg	41.7	71	71	32	56 59	66	74	56 59	66	74	65	72	80	83
Stroke at ramming shoe	mm	40	44	61	42	64	65	65	64	65	65	61	81	65	75
Max. percussion rate	rpm	820	680	680	820	700	700	700	700	700	700	680	680	680	670
Operating speed	m/min	–	11.4	12.1	–	7.9	9.8	8.9	7.9	9.8	8.9	7.1	8.8	7.0	13
Drive	–	Electric motor	Electric motor	Electric motor	Air-cooled single-cylinder 2-stroke gasoline engine			Air-cooled single-cylinder 2-stroke gasoline engine			Air-cooled single cylinder 4-stroke gasoline engine			Air-cooled, single cylinder, diesel engine	
Drive manufacturer	–	Wacker Neuson	Wacker Neuson	Wacker Neuson	Wacker Neuson	Wacker Neuson	Wacker Neuson	Wacker Neuson	Wacker Neuson	Wacker Neuson	Wacker Neuson	Honda	Honda	Honda	Yanmar
Type of drive	–	Electric motor	Electric motor	Electric motor	WM80	WM80	WM80	WM80	WM80	WM80	WM80	GXR120	GXR120	GXR120	L48
Displacement	cm ³	–	–	–	80	80	80	80	80	80	80	120	120	120	211
Prime output (DIN ISO 3046)	kW	–	–	–	1.1	1.8	1.9	2.0	1.8	1.9	2.0	2.7	2.7	2.7	3.1
At revolutions per minute (rpm)	rpm	–	–	–	4,400	4,400	4,400	4,400	4,400	4,400	4,400	4,200	4,200	4,200	3,450
Gasoline / oil mixture	–	–	–	–	50 : 1	100 : 1	100 : 1	100 : 1	120 : 1	120 : 1	120 : 1	–	–	–	–
Fuel consumption	l/h	–	–	–	0.9	1.2	1.2	1.3	1.0	1.2	1.3	0.9	0.9	0.9	0.9
Tank capacity (fuel)	l	–	–	–	2.2	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	4.2
Tank capacity (oil)	l	–	–	–	–	–	–	–	1.3	1.3	1.3	–	–	–	–
Reach per battery charge (BP100)	m	495	342	303	–	–	–	–	–	–	–	–	–	–	–
Reach per battery charge (BP1400)	m	693	479	424	–	–	–	–	–	–	–	–	–	–	–

BATTERY

Technical data battery		BP1000	BP1400
SPECIFICATION	UNIT		
Dimensions (Length x width x height)	mm	220 x 290 x 194	220 x 290 x 197
Operating weight	kg	9.1	9.6
Capacity	Ah	20	28
Energy capacity	Wh	1,008	1,425
Rated voltage	V	51	51

The Wacker Neuson product range includes over 300 different product series with different variants. The product data may vary accordingly with the selection of different options. Not all Wacker Neuson products listed or shown here are however available or allowed in all countries. The Wacker Neuson products shown are examples and as such are subject to changes. We are happy to make you a specific offer upon request!

Reproduction only with the written approval of Wacker Neuson.

© Wacker Neuson SE

Oil.max, the premium oil from Wacker Neuson.

The high-quality, fully synthetic 2-stroke oil prevents wear in a sustained manner. For long life, the duration of your equipment is decisive.



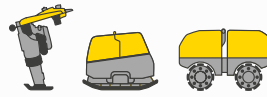
Your everyday work day is full of challenges. We have the right solutions and help you to be ahead of the competition.

We offer you everything you need for this purpose: **Wacker Neuson – all it takes!**

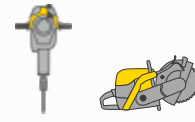
Products



Concrete technology



Compaction



Demolition technology



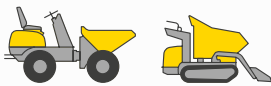
Excavators



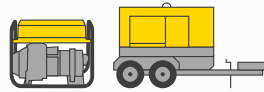
Wheel loaders



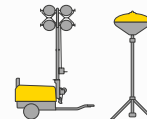
Telehandlers



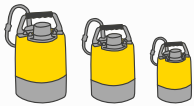
Dumpers



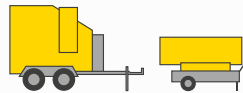
Generators



Lighting



Pumps



Heaters



Used equipment

Services



Financial solutions

Uncomplicated, transparent and individual financing options for you.



Repair & maintenance

Excellent and fast maintenance. Repairs with original spare parts.



Academy

We expand your know-how: practice-oriented and within an ideal learning environment.



EquipCare

Everything about the machines at a glance, via app or PC – EquipCare.



Rental

Protect your liquidity and rent top-maintained construction equipment as needed.



Concrete specialists

Our specialists advise you in all project stages.



eStore

Buy original spare parts online conveniently – for all Wacker Neuson product groups.



Spare parts

Every minute counts:

Within the shortest period of time, we deliver over 150,000 genuine Wacker Neuson spare parts to your construction site.

www.wackerneuson.com



WN.EMEA.10095.V06.EN-US