

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 the year 1930 as Hermann Wacker invented the electric rammer just as today with our world novelty with battery drive. 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.

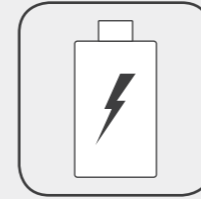
3. Comprehensive product range for you to choose from.

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 plates. 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.



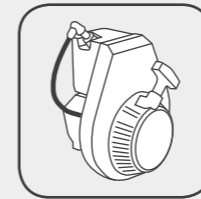
Battery-powered compaction

With the battery-powered rammers Wacker Neuson has created a world's first. Self-sufficient and emission-free working is therefore in a new dimension. More on page 6.



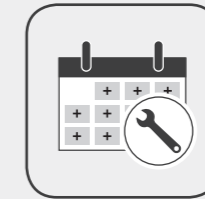
Always thinking ahead

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



Unique 2-stroke engine

Only at Wacker Neuson you get vibration rammers with a low-emission 2-stroke engine. The WM80 was developed by us specifically to the requirements of compaction. See page 8 details.




Three times longer service intervals

Our unique air cleaner system ensures considerably less service requirements. You benefit from long service life and easy maintenance. You will find further information on p. 10.



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.



Particularly economical and environmentally friendly products are awarded the ECO seal by Wacker Neuson. Among rammers, these are all of 2-stroke engines as well as equipment with battery-powered drive.

All vibratory rammers at a glance.

Battery-powered rammers:



Operating weight:	41.1 kg	70.1 kg	70.4 kg
		> Page 06	

Diesel rammer:



Operating weight:	83 kg
	> Page 11

2-stroke engines:



Operating weight:	32 kg	59 kg	66 kg	74 kg
		> Page 08		

4-stroke engines:



Operating weight:	65 kg	72 kg	80 kg
		> Page 10	



Operating weight:	59 kg	66 kg	74 kg
		> Page 08	

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.



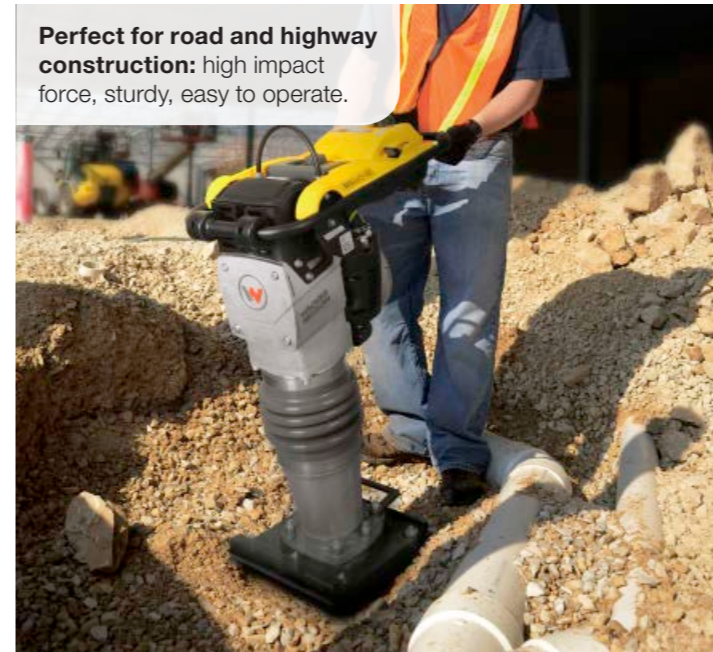
Efficient operation thanks to a strong stroke and faster operating speed.



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

Comfortable working in trenches and interior areas - enabled by the world's first battery-powered rammer, because no exhaust fumes are produced during compaction. Thanks to a clean drive, the battery-powered rammers also meet the strictest requirements in tender documents, e.g. for large-scale projects or construction sites in the city. Your powerful battery achieves running times of 30 or 45 minutes; as a result, the rammer can be used throughout the day without problems during normal construction site work. For heavy 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
- Unique, 100% emission-free rammers in the world
- Health- and environmentally-friendly working in inner cities, indoors and in trenches
- Compaction performance comparable to the time-tested and proven Wacker Neuson two-stroke rammers
- Up to 55% lower energy costs
- Low-maintenance thanks to electric motor
- Low hand-arm vibrations through intelligent vibration-damped handle system



AS30e



	AS30e	AS50e	AS60e
Operating weight	41 kg	70 kg	70 kg
Stroke at ramming shoe	40 mm	42 mm	52 mm



AS50e



AS60e



zero emission

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

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

Charge quickly and safely

in just four hours with a standard battery charger or in 80 minutes with a quick charger (optional).



Complete freedom, for self-sufficient work on the entire job site.



Ready for use in no time:

the powerful batteries BP1000 and BP1400 are quickly charged and changed 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 units are very easy to operate - all you need to start is the push of a button.

One battery.



Numerous machines.

2-stroke rammer

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

Lowest emission values by means of a standard catalytic converter

4-stage air cleaner with three times longer interchange intervals

Automatic shutdown after 10 minutes idling or at start with 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 eye

Easy loading by means of roller kit on the handle

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

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

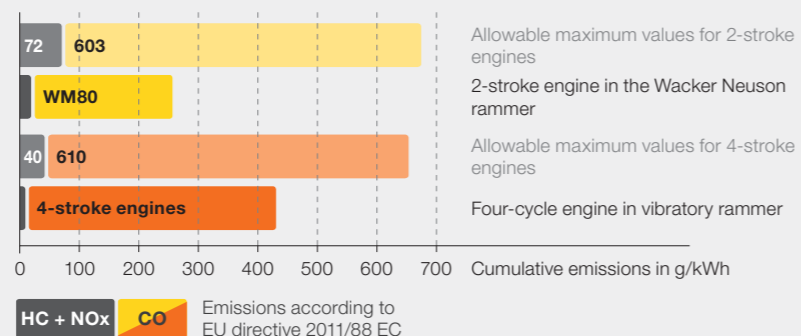


	BS30	BS50-2	BS60-2	BS70-2	BS50-2plus	BS60-2plus	BS70-2plus
Operating weight	32 kg	59 kg	66 kg	74 kg	59 kg	66 kg	74 kg
	Mixed lubricated models				Separately lubricated models		

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



Emission values of petrol 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 rammer

	BS50-4As	BS60-4As	BS70-4As
Operating weight	65 kg	72 kg	80 kg
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 eye for compact transport and storage
- First-class air cleaner for three times longer change 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.

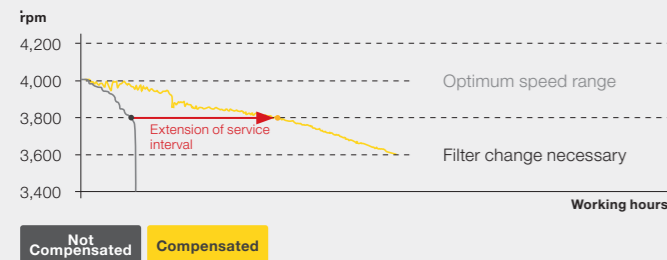
- Low CO-emission
- First-class air cleaner for three times longer change intervals
- Large corrosion resistant fuel tank with self-cleaning filter for long service life and minimum maintenance requirements
- Low hand-arm vibrations, thanks to the specially vibration-damped guide handle

	DS70
Operating weight	83 kg
Type of drive	Diesel engine

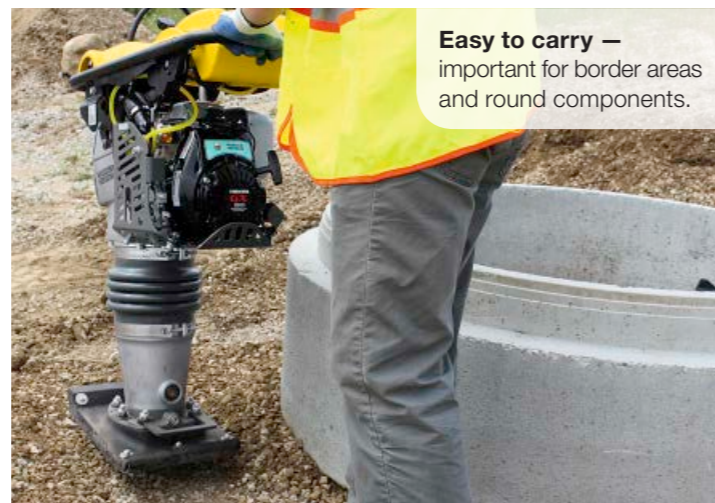
Perfectly suited for cohesive, mixed and coarse-grained soils.

Ideal air-fuel ratio

With the innovative air cleaner system from Wacker Neuson you operate three times longer in the optimum speed range than without compensation. As a result, you extend the service intervals also by about three-fold



Strong stroke: ideal for cohesive soil.



Easy to carry — important for border areas and round components.



With only one lever start, regulate rpm and switch off.



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 9.1 kilograms, the batteries are extremely light and can be changed without tools in just a few steps. Even at extreme temperatures from -10 to +50 degrees Celsius they run perfectly and convince with their high performance. The brushless asynchronous electric motor is also completely maintenance-free.

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 by its catalytic converter. The engine falls short of all current and known limit values for the future. Compared to the 4-stroke rammer, it emits significantly less CO and ensures clean air in the trench.

4-stroke engine



With 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	41.1	70.4	70.4	32	56 59	66	74	56 59	66	74	65	72	80	83
Stroke at ramming shoe	mm	40	42	52	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	-	-	-	-	7.9	9.8	8.9	7.9	9.8	8.9	7.1	8.8	7.0	13
Engine	-	Asynchronous motor	Asynchronous motor	Asynchronous motor	Air-cooled single-cylinder 2-stroke gasoline engine			Air-cooled single-cylinder 2-stroke gasoline engine			Air-cooled single cylinder 4-cycle 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	-	-	-	-

BATTERY

Technical data battery		BP1000	BP1400
SPECIFICATION	UNIT		
Dimensions (length x width x height)	mm	220 x 290 x 194	220 x 290 x 194
Operating weight	kg	9.1	9.1
Capacity	Ah	20	28
Energy per weight unit	Wh	1,008	1,400
Rated voltage	V	51	51
Max. discharge current	A	160	160
Max. charging current	A	32	32

The Wacker Neuson product range includes over 300 different product series with different versions. 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!

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Oil.max, the premium oil from Wacker Neuson.

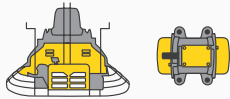
The high-quality, fully synthetic 2-stroke oil prevents wear in a sustained manner. For long life, the duration of your equipment is decisive.



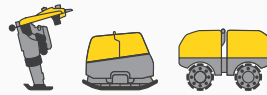
Your everyday work day is full of challenges. We have the right solutions and help you to be ahead of the competition.

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

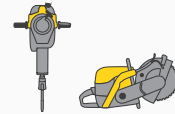
Products



Concrete technology



Compaction



Demolition technology



Excavators



Wheel loaders



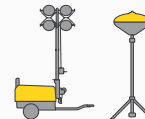
Telehandlers



Dumpers



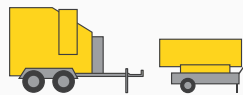
Generators



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 well-maintained construction equipment according to requirement.



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.

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