

Vibratory Rammers



**WACKER
NEUSON**
all it takes!



Vibratory rammers from Wacker Neuson – you can count on them:

1. Inventions are part of our daily business.

In terms of rammers, Wacker Neuson has always set the tone: in 1930, when Hermann Wacker invented the electric rammer just as much as today with our world's first with a battery drive. In addition, Wacker Neuson is the only manufacturer to offer rammers with 2 stroke engines. This drive is not only perfectly designed for compaction applications, but it is also extremely low-emission due to its catalytic converter.

2. Broad drive expertise for specific cases.

Stroke, percussion rate, speed – a perfect compaction performance depends on many factors. The driving force is the engine. Wacker Neuson always has the right solution for you here: from gasoline-driven two- and four stroke to diesel drives to our world's first – the battery drive.

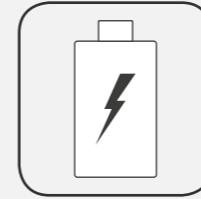
3. Comprehensive product range for you to choose from.

From the sophisticated specialist for the spaces on either sides of the bottom half of pipes to the sturdy rammer, which even compacts difficult soils in an exemplary manner. The development engineers at Wacker Neuson know what vibratory rammers must be able to do in different application areas. You will therefore always find exactly the unit that you need in our product range.

Wacker Neuson – all it takes!

We offer products and services rendered that meet your stringent requirements and various applications. Wacker Neuson stands for reliability. This of course applies to our broad range of vibrator plates as well. We give our best every day to ensure your success. And we do so full of passion for our tasks.

Compaction expertise down to the last detail



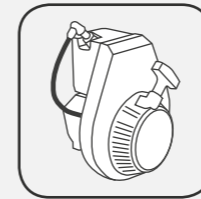
Battery-powered compaction

Wacker Neuson has created a world's first with the battery-powered rammer. Independent and emission-free working thus enters into a new dimension. [More on page 6.](#)



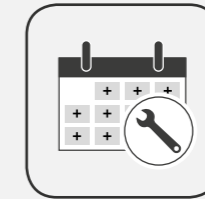
Always thinking further

For many decades it has been the trendsetting innovations of Wacker Neuson that have been making work on job sites more productive and more convenient.



Unique 2 stroke engine

Only from Wacker Neuson will you get a vibratory rammer with a low-emission 2 stroke engine. We specifically designed and developed the WM80 for the requirements of compaction. [Details on page 8.](#)



Service intervals that are three times longer

Our unique air filter system ensures considerably less frequent servicing. You benefit from the long service life and easy-care operation. [You can find more information on page 10.](#)



Easy refuelling

Refuelling without pre-mixing – this is made possible by the separation of the gasoline and oil tanks. You can rely on the efficient oil injection system for the correct mixing ratio.



Wacker Neuson distinguishes particularly economical and environmentally friendly products with the ECO seal. Among rammers, these are all of the 2 stroke engines as well as the units with battery drives.

All vibratory rammers at a glance.

Battery-powered rammer:



AS30e

Operating weight: 41.1 kg



AS50e

70.1 kg

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Diesel rammer:



DS70

Operating weight: 83 kg

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Two stroke:



BS30

32 kg



BS50-2

59 kg



BS60-2

66 kg

> Page 08



BS70-2

74 kg

Four stroke:



BS50-4As

Operating weight: 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 entirely aligned with your needs.

Sophisticated functions in the unit and the correct drive up your sleeve: Vibratory rammers from Wacker Neuson do well in all application areas with the corresponding impact force and the appropriate ramming frequency. For an ideal compaction result – whether in inner-city areas or on major construction sites.

Perfect for road and highway construction: powerful, sturdy, easy to operate.



Low-emission 2 stroke engines are time-tested and proven in poorly ventilated trenches.



Compaction near pipes – precision down to the centimetre with the narrow ramming shoe of the BS30.



Innovative air filter technology: extends the replacement interval by three times.



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



Service from Wacker Neuson, personally on the construction site when necessary.



Efficient in use thanks to the powerful stroke and quick working speed.



Battery-powered rammers

Work conveniently in trenches and indoors – this is made possible by the world's first battery-powered rammers, because no exhaust fumes are produced during compaction. Thanks to the clean drive, the battery-powered rammers even meet the most stringent requirements in tender documents, such as for major projects or construction sites in the city. Your powerful battery achieves run times of 30 or 45 minutes so that the rammer can easily be used the entire day in regular construction site operation. For more taxing applications, we recommend a second battery or recharging using the rapid battery charger - in only 80 minutes.

- The only 100% emission-free rammer in the world
- Health-friendly and environmentally friendly working in inner cities, indoors and in trenches
- Compaction performance is comparable to the time-tested and proven Wacker Neuson 2 stroke rammers
- Up to 55% lower energy costs
- Low-maintenance thanks to the electric motor
- Low hand-arm vibrations due to intelligently vibration-damped handle system

	AS30e	AS50e
Operating weight	41.1 kg	70.1 kg
Type of drive	Electric motor with battery operation	Electric motor with battery operation



AS30e:
45 min. run time



0%
emissions

ECO



zero emission

- 100% emission-free
- Wireless battery-powered operation
- 55% less operating costs than with gasoline vibratory rammers



AS50e:
30 min. run time



Full freedom of movement
for autonomous working on the entire construction site.

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

Standard battery charger: Charging time of four hours, battery management system protects against overcharging.



Charged in 80 minutes: with the optionally available quick charger.



High quality battery: Can be replaced without tools in a few steps.



Clearly arranged operation: Starter button and charge display.



2 stroke Rammers

You can only get vibratory rammers with 2 stroke engines from Wacker Neuson. The powerful and in-house developed WM80 engine is perfectly tailored to the specific requirements of rammers. For productive work and excellent results.



BS50-2



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

The lowest emissions values
due to the standard catalytic converter

4-stage air filter with three times longer replacement intervals

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

Slim 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: Only top up after 120 hours of operation, optionally available with lockable cover, oil and fuel tank are well-protected under the hood

Convenient operation via only one lever for starting, idling and stopping

Convenient transport thanks to the large flexible lifting eye

Easy loading due to the roller kits on the handle

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

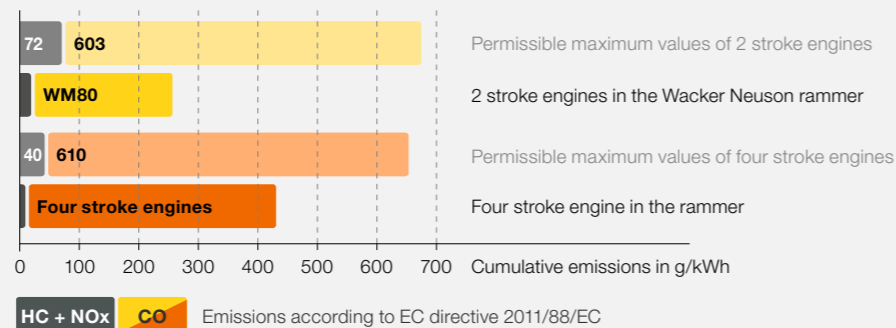
Learn more about the battery-powered rammers from Wacker Neuson: www.wackerneuson.com/2plus

	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 work: A catalytic converter is installed as a standard - this is only offered by Wacker Neuson!



Emission values of gasoline vibratory rammers



Incorrect refuelling is ruled out: Lockable oil tank (accessory).



Feed pump on the carburettor – for full and immediate power of the WM80.



Operating hour meter: in all models to maintain optimal maintenance intervals.



4 Stroke Rammers

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

The performance of the 4-stroke rammer from Wacker Neuson will convince you every day anew. Sophisticated features also make using the units even safer, extend their service life and reduce maintenance to a minimum.

- Quick starting behaviour thanks to the small feed pump on the carburettor
- Powerful stroke for heavy cohesive soils
- Integrated low oil protection with automatic shutdown
- Flexible lifting eye for compact transport and storage dimensions
- First-class air filter for replacement intervals that are three times longer



BS50-4As



BS60-4As



DS70

Diesel Rammer

From compact dimensions for good handling to a well-balanced weight distribution – the DS70 impresses with its inner and outer values. This unit is ideal for compaction work in trenches due to its low CO emissions.

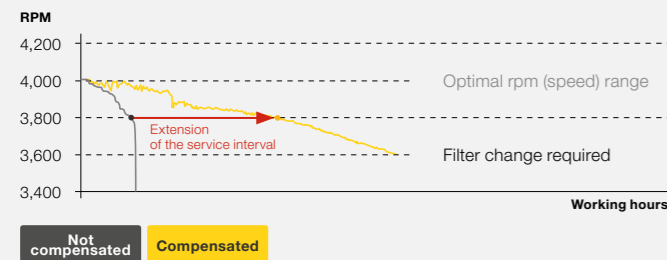
- Low CO emissions
- First-class air filter for replacement intervals that are three times longer
- Large corrosion-resistant fuel tank with self-cleaning filter for a long service life and minimum maintenance requirements
- Low hand-arm vibrations thanks to the specially vibration-damped guide handle

	DS70
Operating weight	83 kg
Type of drive	Diesel engine

Ideal for cohesive, mixed and coarse-grained soils.

Ideal air-fuel ratio

With the innovative air filter system from Wacker Neuson, you work three times longer in the optimal rpm (speed) range than without compensation. This allow you to extend the service intervals by a factor of three as well.



Powerful stroke: Ideal for cohesive soils.



Easy to guide – important for edge areas and round elements.



Start, control the rpm's and switch off with just one lever.



Precise unit guiding – important for compaction in edge areas.

The right drive for any application.

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



Battery technology



Wacker Neuson has taken a step into the future with the BP1000 battery: It enables the 100% electric operation of the battery-powered rammer and thus protects the operator and the environment from harmful emissions. The battery itself is extremely light at just 9.1 kg and can be replaced without tools in just a few easy steps. Even in extreme temperatures of -10 to +50 degrees Celsius it runs smoothly and impresses with its high level of performance. The brush-free asynchronous electric motor is also completely maintenance-free.

2-stroke engine



Wacker Neuson is the only manufacturer to carry gasoline vibratory rammers with 2-stroke engines in its product range. Our development engineers specifically designed the WM80 engine for application in soil compaction, which is why it is particularly heavy-duty. In addition, it has excellent emissions behaviour, among other reasons due to its catalytic converter. The engine falls below all current and future limit values that are known. Compared to the 4-stroke rammer, it emits significantly fewer CO emissions and ensures cleaner air in the trench.

Four stroke engine



You have a powerful engine in the GXR 120 from Honda for harsh construction site application. The integrated low oil protection checks the oil level during starting. If it is too low, the unit automatically shuts down. The emissions of four-stroke rammers largely consist of CO. Overall, the CO emissions are around 1/3 higher than with 2 stroke rammers.

Diesel drive



You can completely rely on the compaction performance of the DS70 diesel engine. At the same time, it is extremely low emission and falls below the current exhaust emissions standards worldwide. The impact force of the DS70 diesel engine is also impressive – and it does so without interruption for four and a half hours thanks to the low consumption. In addition the engine is also extremely heavy-duty and durable.

Technical data

VIBRATORY RAMMERS

		AS30e	AS50e	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	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	150	165 280	280	280	165 280	280	280	280	280	280	280	
Operating weight	kg	41.1	70.1	32	56 59	66	74	56 59	66	74	65	72	80	83	
Stroke at ramming shoe	mm	–	–	42	64	65	65	64	65	65	61	81	65	75	
Max. percussion rate	rpm	820	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	
Drive	–	asynchronous motor	asynchronous motor	air-cooled single cylinder, two stroke gasoline engine			air-cooled single cylinder, two stroke gasoline engine			air-cooled single cylinder, four 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	Honda	Honda	Honda	Yanmar	
Type of drive	–	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 rpm	rpm	–	–	4,400	4,400	4,400	4,400	4,400	4,400	4,400	4,200	4,200	4,200	3,450	
Fuel to oil ratio	–	–	–	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 for the battery		BP1000
SPECIFICATION	UNIT	
Dimensions (Length x width x height)	mm	220 x 290 x 194
Operating weight	kg	9.1
Capacity	Ah	20
Energy content	Wh	1,008
Rated voltage	V	51
Max. discharge current	A	160
Max. charging current	A	32

Wacker Neuson's product range includes over 300 different product series with different versions. The product data may vary accordingly depending on the selection of different options. However, not all of the Wacker Neuson products listed or shown here are available or permitted in all countries. The Wacker Neuson products shown are examples and as such are subject to changes. We would be happy to make you a specific offer upon request!

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Oil.max, the premium oil from Wacker Neuson.

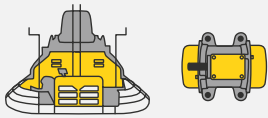
The high quality, fully synthetic two stroke oil reliably prevents wear. For a long service life of your units.



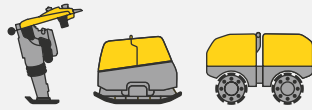
Your everyday working life is full of challenges. We have the right solutions and will help you to stay ahead of the competition.

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

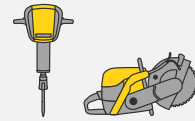
Products



Concrete Technology



Compaction



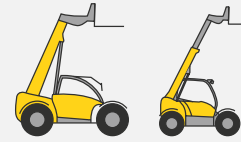
Demolition



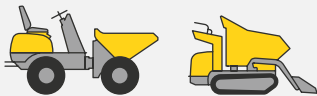
Excavator



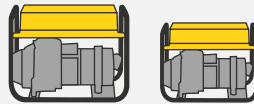
Wheel loader



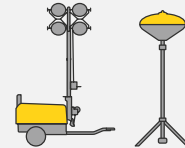
Telehandler



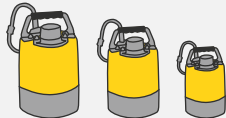
Dumper



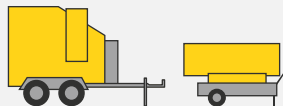
Power unit



Lighting



Pumps



Heating



Used Equipment

Services rendered



Financial Solutions



Repair & maintenance



Academy



Rental



Telematics



The concrete specialists



E-Store

Spare parts



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