Reliability, trustworthiness, quality, fast response times, flexibility, and innovation – these are what our customers rely on. And not only in asphalt compaction.

Wacker Neuson has introduced innovative ideas to market for decades in other areas of construction, such as soil compaction. A range of vibratory rammers, vibratory plates and vibratory rollers specially designed for soil compaction round out our wide product portfolio.

1 Wacker Neuson rammer brochure
2 Wacker Neuson soil compaction brochure

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Asphalt compaction.

First-class results with powerful vibratory machines from Wacker Neuson.

WACKER NEUSON

WACKER NEUSON

www.wackerneuson.com

Optimal compaction allows high-quality asphalt surfaces.

SYSTEMS
FOR
ASPHALT
COMPACTION

DPU
2560 TS
BS 65-V

The optimal compaction machine for every asphalt surface. **From Wacker Neuson.**

EXTREMELY LONG-LIFE MACHINE CONCEPT.

APPLICATION FOCUSES	Vibratory rammers	Vibratory plates	Double drum vibratory rollers	Articulated vibratory rollers
ASPHALT COMPACTION				
Minor repair work	●	●	●	●
Sidewalks and cycle tracks	○	●	●	●
Estate and garden entrances	○	●	●	●
Parking lots and industrial courtyards	–	○	●	●
Road construction	○	○	○	●

● Very suitable
○ Suitable
– Not suitable

Application focuses of the compaction machines

Maneuverable all-rounders
on small surfaces.

Small surfaces in particular require a compaction machine with powerful, first-class operation. Wacker Neuson vibratory plates are efficient to use and convince with the quality of their components as well as decisive application details:

- Optimal maneuverability.
- A range of centrifugal forces.
- Different plate widths.
- Base plates with high wear resistance.
- Accessories specially tailored for asphalt compaction.
- Low maintenance.

Asphalt compaction on small surfaces

The asphalt specialists along narrow tracks.
WP 1030 and WP 1235.

WP 1235

Perfect compaction in the smallest of areas:
- Narrow plate width 30 cm or 35 cm.
- High-volume water tank with large filler opening.
- More power on small surfaces.
- Functional design with perfect ergonomics.
- Improved maneuverability.
- Straight edges allow optimal compaction along walls.
- Three recessed handles in the control panel for easy transport.
- Ideal for gardening and landscaping.

Compact transport dimensions: The entire guide handle can be folded forwards.

For asphalt compaction an accessory set consisting of a water tank and sprinkler system can be ordered.

WP 1030
WP 1235

Plate width
30 - 35 cm

Compaction force
12 kN

Weight
50 - 60 kg

Asphalt compaction on small surfaces

Unbeatable on
small asphalt surfaces:
**WP 1540, WP 1550
and WP 2050.**

WP 1550

Sloped base plate makes it easier
to compact on a particular spot.

Quick and agile in use.

- Improved ergonomics, better performance.
- Ideally suited for work on manholes or in small areas.
- Improved maneuverability.
- High-volume water tank with large filler opening available as an accessory.
- Good water distribution through the special grooves in the base plate.
- Sloped base plate makes it easier to compact on a particular spot.
- Easy to transport even on small loading areas, thanks to forward-folding guide handle.
- Minimal maintenance.
- Two engine models available.

WP 1540
WP 1550
WP 2050

Plate width
40 - 50 cm

Compaction force
15 - 20 kN

Weight
75/85/100 kg

Asphalt compaction
on small surfaces

The professionals for continuous operation: **WPP 1540 and WPP 1550.**

THE EFFICIENT LIGHTWEIGHT FOR PROFESSIONAL CONTINUOUS USE.

WPP 1550

1 **Agile** even on small surfaces.

2 **A new guide handle design and the stable frame** provide excellent stability during sideways operation.

Excellent performance with ease of use.

- Robust all-rounder, designed for continuous use.
- Now with an unbeatable functional and stable transport roller, making it easy to move to a different place on the construction site.
- Innovative guide handle that allows optimal turning. Can be folded forward in its entirety, for compact transport dimensions.
- Excellent stability in sideways operation due to the new guide handle and stable frame with additional handles.
- Optimized sprinkler system: the special shape of the water grooves allows water to be sprinkled to the outer edge of the base plate. The sprinkler pipe is protected across the entire width of the vibratory plate.
- Automatic water supply only during compaction. The valve closes automatically when the machine is idling.
- The water tank can be removed and reattached with little effort.
- Engine can be started and stopped easily and safely using the readily accessible throttle remote control.
- Newly developed, wear-proof and break-proof base plate made of ductile graphite iron.
- Ideal for installing asphalt wearing courses in parking lots or on paths.

WPP 1540
WPP 1550

Plate width
40 - 50 cm

Compaction force
15 kN

Weight
85 - 90 kg

Asphalt compaction on small surfaces

The all-rounder: **WPU 1550.**

WPU 1550

HIGH SURFACE CAPACITY THANKS TO ADVANCE AND REVERSE TRAVEL.

Unbeatable flexibility and efficiency thanks to advance and reverse travel:

- Robust, reversible all-rounder, designed for continuous use.
- Unmatched functional transport roller, making it easy to move to a different place on the construction site.
- Optimized sprinkler system: the special shape of the water grooves allows water to be sprinkled to the outer edge of the base plate. The sprinkler pipe is protected across the entire width of the vibratory plate.
- Automatic water supply only during compaction. The valve closes automatically when the machine is idling.
- Innovative guide handle that allows optimal turning. Can be folded forward in its entirety, for compact transport dimensions.
- Excellent stability in sideways operation due to the new guide handle and stable frame with additional handles.

The water tank

has a large capacity and is semi-transparent, making it easy to check the water level. It can be detached from and reattached to the plate without the use of tools; the water tank itself is disconnected via a quick-connect coupling. The cap is mounted on the water tank and is non-detachable. Two large filters reduce the risk of the sprinkler pipe becoming blocked during operation. They can be easily removed to clean and drain the water.

High mobility on the construction site thanks to a robust transport roller.

- Newly developed, wear-proof and break-proof base plate made of ductile graphite iron.
- Improved running surfaces ensure quick forward travel speed and optimal maneuverability.
- New frame design provides the engine with additional protection.
- Comfort which you won't want to miss out on: easily accessible throttle remote control, non-detachable fuel cap, and large central lifting point.

WPU 1550

Plate width
50 cm

Compaction force
15 kN

Weight
94 kg

Asphalt compaction on small surfaces

The asphalt specialist: **DPS 1850.**

DPS 1850

The optimal vibratory plate for patching base layers and cover layers:

- Wear and break resistant even for long-term use thanks to an extremely durable ductile graphite iron base plate.
- Diesel engine with large power reserves.
- Maintenance-free exciter bearings which are built for lengthy applications at the high temperatures caused by asphalt compaction.
- The infinitely adjustable water sprinkler ensures that compaction proceeds reliably at every asphalt consistency.
- Ideal throttle lever location for great ease of operation.
- The guide handle guarantees that the vibratory plate can be controlled particularly well from the side in order to compact the asphalt in the corners.

ENGINE WITH LARGE POWER RESERVES.

DPS 1850

Plate width
50 cm

Compaction force
18 kN

Weight
135 kg

Asphalt compaction on small surfaces

Technical Data.

TECHNICAL DATA	WP 1030 A	WP 1235 A	WP 1540 A	WP 1540 W
Operating weight kg	50	60	75	75
Lowest operating height mm	629	606	532	532
Base plate size (W x L) mm	300 x 496	350 x 546	400 x 586	400 x 586
Operating width mm	300	350	400	400
Centrifugal force kN	12	12	15	15
Frequency Hz	98	98	98	98
Max. advance travel (depending on asphalt and environmental factors) m/min	26	27	29	29
Max. surface capacity (depending on asphalt and environmental factors) m^2/h	468	567	696	696
Drive	Air-cooled single cylinder four-cycle gasoline engine			
Engine manufacturer	Honda	Honda	Honda	Wacker Neuson
Model	GX 100	GX 120	GX 160	WM 170
Displacement cm^3	98	118	163	169
Max. performance (DIN ISO 3046) kW	2.1	2.6	3.6	3.7
At speed rpm	3,600	3,600	3,600	3,600
Fuel consumption l/h	0.33	0.8	1.8	1.8
Tank capacity (fuel) l	1.2	2.5	3.7	3.7
Power transmission	From drive engine through automatic centrifugal belt drive directly to exciter.			
Tank capacity (water) l	*	*	*	*

* Water tank available as accessory (see page 30/31)

TECHNICAL DATA	WP 1550 A	WP 1550 W	WP 2050A	WP 2050W	WPP 1540 AW
Operating weight kg	85	85	100	100	85
Lowest operating height mm	632	632	632	632	547
Base plate size (W x L) mm	500x586	500x586	500x586	500x586	400x586
Operating width mm	500	500	500	500	400
Centrifugal force kN	15	15	20	20	15
Frequency Hz	98	98	98	98	98
Max. advance travel (depending on asphalt and environmental factors) m/min	29	29	28	28	29
Max. surface capacity (depending on asphalt and environmental factors) m^2/h	870	870	840	840	696
Drive	Air-cooled single cylinder four-cycle gasoline engine				
Engine manufacturer	Honda	Wacker Neuson	Honda	Wacker Neuson	Honda
Model	GX 160	WM 170	GX 160	WM 170	GX 160
Displacement cm^3	163	169	163	169	163
Max. performance (DIN ISO 3046) kW	3.6	3.7	3.6	3.7	3.6
At speed rpm	3,600	3,600	3,600	3,600	3,600
Fuel consumption l/h	1.8	1.8	1.8	1.8	1.8
Tank capacity (fuel) l	3.7	3.7	3.7	3.7	3.7
Power transmission	From drive engine through automatic centrifugal belt drive directly to exciter.				
Tank capacity (water) l	*	*	*	*	8

* Water tank available as accessory (see page 30/31)

TECHNICAL DATA	WPP 1540 WW	WPP 1550 AW	WPP 1550 WW	WPU 1550 AW	DPS 1850H Asphalt
Operating weight kg	85	90	90	94	128
Lowest operating height mm	547	547	547	556	650
Base plate size (W x L) mm	400x586	500x586	500x586	500x586	500x585
Operating width mm	400	500	500	500	500
Centrifugal force kN	15	15	15	15	18
Frequency Hz	98	98	98	98	90
Max. advance travel (depending on asphalt and environmental factors) m/min	29	29	29	29	22
Max. surface capacity (depending on asphalt and environmental factors) m^2/h	696	870	870	870	660
Drive	Air-cooled single cylinder four-cycle gasoline engine				Air-cooled single cylinder diesel engine
Engine manufacturer	Wacker Neuson	Honda	Wacker Neuson	Honda	Hatz
Model	WM 170	GX 160	WM 170	GX 160	1 B 20
Displacement cm^3	169	163	169	163	243
Max. performance (DIN ISO 3046) kW	3.7	3.6	3.7	3.6	3.4
At speed rpm	3,600	3,600	3,600	3,600	3,600
Fuel consumption l/h	1.8	1.8	1.8	1.8	1.0
Tank capacity (fuel) l	3.7	3.7	3.7	3.7	3
Power transmission	From drive engine through automatic centrifugal belt drive directly to exciter.				
Tank capacity (water) l	8	9	9	9	11.2

* Water tank available as accessory (see page 30/31)

Modifications reserved in the interest of continuous further development.

Wacker Neuson's vibratory rollers are the **ideal compaction specialists for medium-sized asphalt surfaces.**

Medium sized surfaces require special machines for asphalt compaction.

Vibratory plates are unsuitable for these surface sizes for cost reasons and large rollers are unsuitable for the cramped conditions. This means that smaller rollers optimally built for this application are ideal. Wacker Neuson has different models in its product range designed specifically for medium-sized surfaces.

Asphalt compaction on medium-sized surfaces

Walk-behind
double drum vibratory rollers:
RD 7.

RD 7

AVAILABLE WITH EITHER ELECTRIC STARTER OR MANUAL STARTER.

- The compact design allows precise work right up to the edge — even in cramped conditions.
- The smooth drums with slanted edges compact asphalt and granular materials equally well.
- The fully hydrostatic drive reduces the number of components as well as maintenance and improves reliability.
- Large shockmounts provide optimal dampening of the transmission of vibrations to the upper mass, preventing premature wear.
- The center pole has excellent dampening, meaning only low levels of vibration are transferred to the operator. It can be folded up for storage and transport.
- With automatic low oil shutoff.
- Available with either electric starter or manual starter.

Optimal working safety with operator present system:

The vibratory roller will stop automatically as soon as the operator's body hits the center pole.

RD 7

Drum width
65 cm

Compaction force
13 kN

Weight
753 - 773 kg

Asphalt compaction on medium-sized surfaces

First-class compaction performance and high visibility: **The RD 16 and RD 27 articulated vibratory rollers.**

RD 16

VERY MANEUVERABLE.

With its 90 cm wide drums, the RD 16 is **a specialist for sidewalk work.**

RD 27

Integrated traction control: The optional flow divider allows optimal traction despite smooth drums – even on steep slopes.

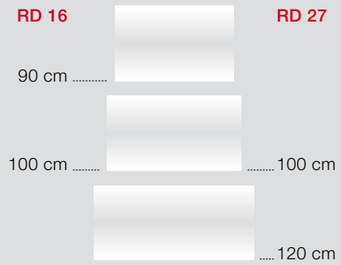
Quick, stable, tip-resistant. And excellent in their compaction performance: RD 16 and RD 27.

- The vibration can be switched to either one or both drums.
- Chamfered drums prevent tracks in the asphalt.
- The pressure-operated sprinkler system guarantees a reliable flow of water. A timer switch with various settings makes it possible to adjust the water flow to suit the type of asphalt used.
- The next page will tell you everything else you need to know about articulated vibratory rollers from Wacker Neuson.

RD 16

Drum width
90 - 100 cm
Compaction force
15 kN
per drum
Weight
1,356 - 1,391 kg

Available in the following drum widths:



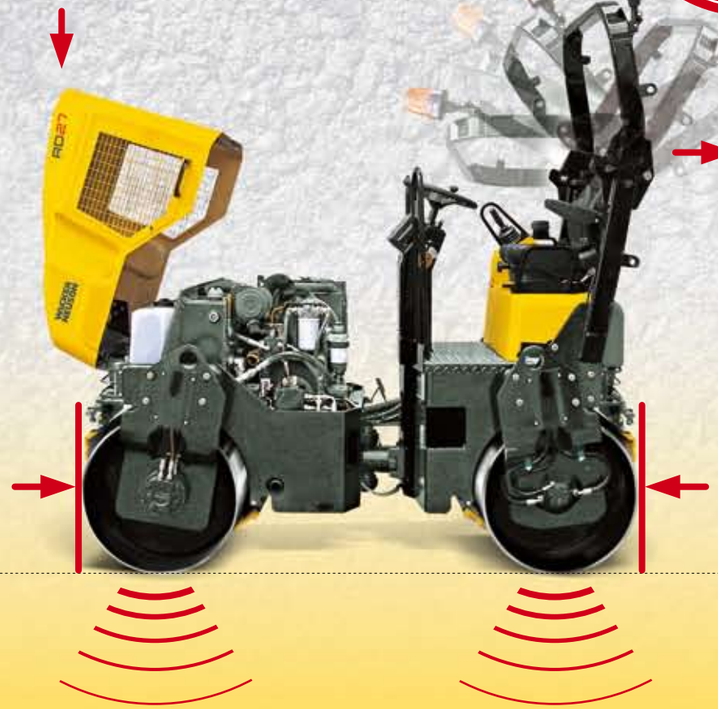
RD 27

Drum width
100 - 120 cm
Compaction force
24 - 41 kN
per drum
Weight
2,392 - 2,592 kg

Asphalt compaction on medium-sized surfaces

Excellent prospects for optimal compaction performance **with convincing details.**

All maintenance parts of the engine, the hydraulics and the electrics system as well as the water filter and battery are easily accessible.



VERY MANEUVERABLE THANKS TO SMALL TURNING RADIUS.

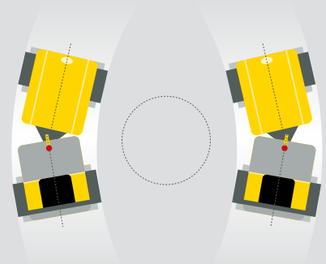
The foldable roll bar (ROPS*) included as standard for the RD 27 can be folded both forwards and backwards. This allows flexible applications, e.g. under roof overhangs and simplifies transport. It can only be folded forward on the RD 16.

Wacker Neuson vibratory rollers have no rear or front machine overhang protruding over the drums. This guarantees ideal work right up to edges.

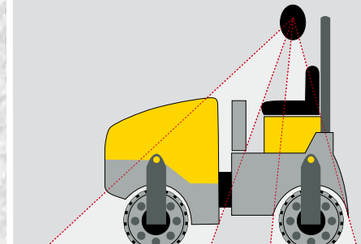
1 **The operator's platform is cushioned against vibrations** and prevents the operator from becoming fatigued together with the ergonomic seat.

2 **The one-handle servo-control with an integrated vibration switch** simplifies operation.

3 **The two-stage centrifugal force adjustment of the RD 27** provides excellent compaction results.



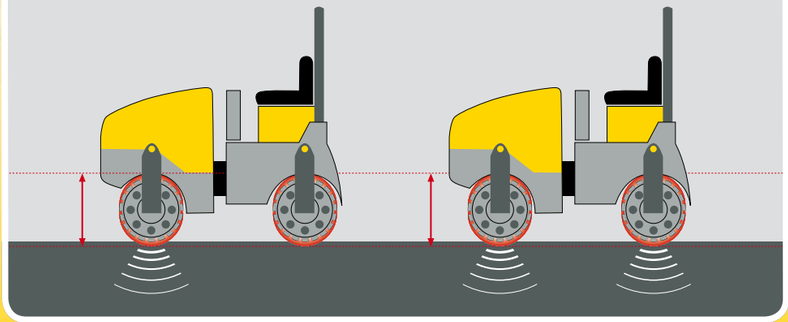
The articulated pendulum joint provides a very small driving radius with an angle of 34° and high maneuverability.



Optimal visibility with the low hood and high seating position. This improves performance and working safety.

The vibration can be activated on either the front drum...

... or on both drums.



* Roll Over Protection System

Asphalt compaction on medium-sized surfaces

Technical Data.

TECHNICAL DATA	RD 7H-ES electric starter	RD 7H-S manual start
Empty / operating weight kg	773 / 830	753 / 810
Total dimensions (L x W x H) mm (center pole in operating position)	2,630 x 700 x 1,165	2,630 x 700 x 1,165
Drum diameter/width mm	420 / 650	420 / 650
Side clearance (right/left) mm	235	235
Overhang (right/left) mm	30	30
Centrifugal force / total force kN	13 / 21	13 / 21
Frequency Hz	55	55
Static linear load	5.0 / 7.5	5.0 / 7.0
Dynamic linear load per drum (front/rear) N/mm	10.0 / 10.0	10.0 / 10.0
Total linear load (front/rear) N/mm	15.0 / 17.5	15.0 / 17.0
Advance and reverse travel m/min	66.7 / 33.3	66.7 / 33.3
Max. surface capacity m^2/h	2,613	2,613
Max. gradeability (without vibration) %	40	40
Drive	Air-cooled four-cycle single cylinder Hatz diesel engine	
Displacement cm^3	413	413
Max. performance at 3,600 rpm kW (HP)	6.3 (8.6)	6.3 (8.6)
Operating performance at 2,600 rpm kW (HP)	5.5 (7.5)	5.5 (7.5)
Tank capacity (water) l	53	53
Tank capacity (fuel) l	5	5
Fuel consumption l/h	1.67	1.67

TECHNICAL DATA	RD 16-90	RD 16-100	RD 27-100	RD 27-120
Empty / operating weight (with 80 kg heavy operator and half-full water and fuel tanks) kg	1,356 / 1,485	1,391 / 1,520	2,392 / 2,550	2,592 / 2,750
Total dimensions (L x W x H) mm (height up to top of rotating beacon)	1,950 x 1,000 x 2,545	1,950 x 1,102 x 2,545	2,430 x 1,100 x 2,775	2,430 x 1,300 x 2,775
Drum diameter/width mm	560 / 900	560 / 1,000	700 / 1,000	700 / 1,200
Side clearance (right/left) mm	400	400	510	510
Overhang (right/left) mm	45	45	50	50
Centrifugal force per drum				
at 2,450 1/min kN	–	–	24.3	28.8
at 3,000 1/min kN	–	–	35.0	41.4
at 3,600 1/min kN	15	15	–	–
Frequency at 2,450 1/min Hz	–	–	55	55
Frequency at 3,000 1/min Hz	–	–	66	66
Frequency at 3,600 1/min Hz	70	70	–	–
Static linear load (front/rear)				
at 2,450 1/min N/mm	–	–	12.1	10.9
at 3,000 1/min N/mm	–	–	13.4	12.0
at 3,600 1/min N/mm	7.7	6.9	–	–
Dynamic linear load (front/rear)				
at 2,450 1/min N/mm	–	–	24.3	24.0
at 3,000 1/min N/mm	–	–	35.0	34.5
at 3,600 1/min N/mm	16.7	15.1	–	–
Travel speed (advance and reverse travel)				
at 2,450 1/min m/min / km/h	–	–	0 - 135 / 0 - 8.1	0 - 135 / 0 - 8.1
at 3,000 1/min m/min / km/h	–	–	0 - 167 / 0 -10	0 - 167 / 0 - 10
at 3,600 1/min m/min / km/h	0 - 156 / 0 - 9.3	0 - 156 / 0 - 9.3	–	–
Max. surface capacity m^2/h	8,424	9,360	8,100 / 10,200	9,700 / 12,200
Max. gradeability (without vibration) %	30	30	35	35
Turning radius (external) m	2.9	3.0	3.5	3.6
Drive	Liquid-cooled three-cylinder Lombardini diesel engine		Liquid-cooled three-cylinder Perkins diesel engine	
Displacement cm^3	1,028	1,028	1,500	1,500
Max. performance at 3,000 rpm kW (HP)	–	–	25.1 (33.7)	25.1 (33.7)
Max. performance at 3,600 rpm kW (HP)	19.5 (26.1)	19.5 (26.1)	–	–
Operating performance at 2,450 rpm kW (HP)	–	–	23.3 (25.1)	23.3 (25.1)
Operating performance at 2,850 rpm kW (HP)	16.5 (21.1)	16.5 (21.1)	–	–
Operating performance at 3,000 rpm kW (HP)	–	–	31.25 (33.7)	31.25 (33.7)
Tank capacity (water / fuel) l	100 / 23	100 / 23	150 / 46.5	150 / 46.5
Fuel consumption at 2,450 rpm l/h	–	–	7.1	7.1
Fuel consumption at 3,000 rpm l/h	–	–	7.7	7.7
Fuel consumption at 3,600 rpm l/h	3.6	3.6	–	–

Modifications reserved in the interest of continuous further development.

Equipped for all requirements: Wacker Neuson's accessories.

Compaction machines from Wacker Neuson stand out thanks to their unbeatable flexibility.

They provide perfect results even in difficult working conditions or confined areas. With accessories from Wacker Neuson, compaction machines can be more flexibly adjusted thanks to practical transport devices for example.

ACCESSORIES FOR VIBRATORY PLATES	Water tank (l)	Transport device
WP 1030A	● 8	–
WP 1235A	● 8	●
WP 1540A	● 9	●
WP 1540W	● 9	●
WP 1550A	● 9	●
WP 1550W	● 9	●
WP 2050A	● 9	●
WP 2050W	● 9	●
WPP 1540AW	○	○
WPP 1540WW	○	○
WPP 1550AW	○	○
WPP 1550WW	○	○
WPU 1550AW	○	○
DPS 1850H Asphalt	○	○

The self-explanatory model guide:

- ● Available as accessories
- ○ Provided as standard
- \- Accessories not available

Attachments

Other Wacker Neuson products with superior asphalt compaction performance.

Wacker Neuson provides even more products to help you with asphalt compaction:

- Gasoline vibratory rammers.
- Other vibratory plates.

More machines

More Wacker Neuson machines for improved efficiency with your work processes.

DPU 2560

AVAILABLE WITH DIESEL OR GASOLINE ENGINE:
Wacker Neuson, Honda or Hatz engine.

The Top Speed version:

The Top Speed version possesses superb surface capacity with its high speed and is well suited for asphalt compaction.

The all-rounders for paving, cabling, gardening and landscaping: DPU 2560 Top Speed.

- Extremely robust machine design.
- The integrated wheel set guarantees excellent mobility.
- Extra long tank nozzle prevents the ingress of dirt particles.
- Automatically self-locking center pole for excellent protection during transport.
- Protected throttle lever.
- Best base plate material quality through the ideal combination of break resistance and low wear levels.
- Precise and fatigue-free work with special guide handle dampening.

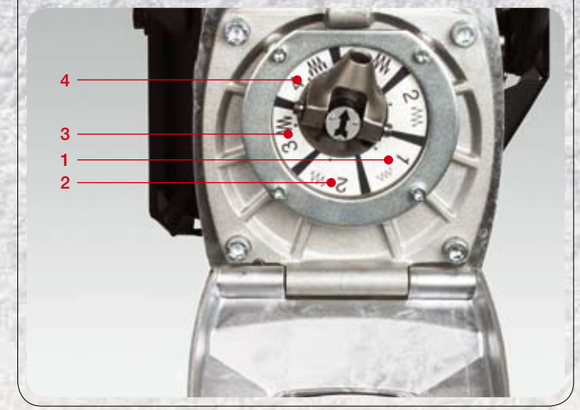
Four adjustable stroke heights.

Position 1
For smooth finishing in the case of repair work on asphalt or for the fitting of interlocking paving stones.

Position 2
For a dimensionally precise compaction and smoothing work during edge compaction. Also very suitable for sandy soils.

Position 3
For an optimum compaction performance in the case of grainy to cohesive soils. Also for gravel, split, slag, lean concrete and rocks.

Position 4
For a particularly good compaction of cohesive or wet soils.



PATENTED STROKE ADJUSTMENT!

BS 65V

Variable speed and four compaction levels: BS 65V

The BS 65V combines the advantages of the classic Wacker Neuson two-cycle engine with the option to select four different compaction levels. In this way, a single machine can be used to compact all types of soil without having to use an additional equipment.

More machines from Wacker Neuson