

BRANDL Plate Compactors



BRANDL® Plate compactors

Base of wear-resistant steel HB 450

Hydraulically-operated plate compactors have for years been a means highly valued by users of obtaining excellent compaction results on surfaces consisting of noncohesive and gravelly surfaces, such as sand, gravel and mixed soils.

The bulking effect of the top 10 - 15 cm, familiar to roller users, are also avoided with plate compactors. The savings in repeat roller passages leads to reductions in costs and construction times.

By using top-quality Bomag compactor components means solutions can be offered for a wide range of conditions in road, footpath and rail construction and excavations.

The plate compactor, which can move freely on all sides, is suitable for problem-free use on all pre-prepared ground surfaces. As BRANDL® plate compactors are pushed or pulled by carrier units, unlike with hand-operated vibration plates, two excitation shafts can be used to generate the compaction energy. With the sum of the excitation forces, a proportionate increase of the compaction energy is obtained. The setting of the counter-motion of the excitation shafts achieves a full vertically-aligned vibration and compaction effect.

Depending on the nature of the ground surface, the compaction effect is up to 50 cm.

For excavators, wheeled loaders, tractors, Unimog, telescopic loaders!

- **high compaction levels**
- **long serviceable life**
- **robust steel construction**
- **versatile**
- **many applications due to capability of fitting to various carrier units**

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Material Compaction

Gravel/Sand	40 cm
Sand	40 cm
Mixed ground	40 cm
Basalt 0/40	35 cm
Granite 0/40	35 cm
Clay	20 cm



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	1H	1HS	1HSK	2H	2HT	3H	3HT
	1	1	1	2	2	3	3
Weight in kg	500	1000/1300	1600	1100	1400	1500	1800
Width Standard in mm	850	850	850	1720	1720	2590	2590
Width Optional in mm	150/550/150	150/550/150	150/550/150	1420	1420	2140	2140
Street Cleaner Width in mm	-	-	1800	-	-	-	-
Centrifugal Force in kN	1x55	1x55	1x55	2x55	2x55	3x55	3x55
Frequency in Hz	40-55	40-55	40-55	40-55	40-55	40-55	40-55
Required Oil in l/min	30	64	64	50-70	-	70	-
Pressure in bar	200	200	200	200	-	200	-
Power Tractor	-	-	-	-	65 kW	-	65 kW
Power Take Off in rpm	-	-	-	-	1000	-	1000
Weight Support Frame Compactor in t	1,5	5/6	6	3,5	-	5,0	-
Weight Support Frame Dredge in t	3,5	-	-	15-17	-	ab 27	-

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Bankettverdichter BPV 1HS



Format 1 (Standard)
Area of work up to 1500 mm



Hydraulically-operated Single plate compactor for
Wheeled loader and drag over
System BRANDL/BOMAG

Area of work up to 1500 mm, partial hydraulic
adjustable to right or left

Base of plate in steel HB 450
Width standard 850 mm
Optional threepart 150/550/150 mm

Angle of incline variable to 2 x 15 degree
Area of work approx. 500 mm
Centrifugal force 55 kN. Frequency 40-55 Hz
Weight approx. 1000 kg

Required oil 50 Liter/200 bar
plus separate oil pipe with dynamic pressure <2 bar
directly to the tank of the support frame

Bankettverdichter BPV 1HS

Format 2 (with articulated joint)
Area of work up to 2200 mm



Hydraulically-operated plate compactor for wheeled loader and drag over
System BRANDL/BOMAG

Area of work up to 2200 mm, partial hydraulic adjustable to right or left
Work depth approx. 600 mm

Base of plate in steel HB 450
Width standard 850 mm
Optional threepart 150/550/150 mm

Angle of slope variable to 2 x 15 degree
Centrifugal force 55 kN, Frequency 40-55 Hz
Weight approx. 1300 kg

Required oil 50 Liter/200 bar
plus separate oil pipe with dynamic pressure <2 bar directly to the tank of the support frame
Hydraulic telescopic action plate compactor up to 1000mm, optional up to 2200mm, mechanical depth setting up to 600mm below ground level, automatic profile adjustment up to 15 degree angle of incline

Bankettverdichter BPV 1HSK



Format 3 (with street cleaner)
Area of work up to 1500 mm



Hydraulically-operated Single plate compactor with street cleaner in advance for wheel loaders and drag over

System BRANDL/BOMAG

Area of work up to 1500 mm, partial hydraulic adjustable to right or left

Weight approx. 1600 kg

Base of plate in steel HB 450

Width standard 850 mm

optional threepart 150/550/150 mm

Angle of incline variable 2 x 15 degree

Area of work up to approx. 350 mm

Centrifugal force 55 kN, Frequency 40-55 Hz

Street cleaner 1800 mm wide

All hydraulic works together or separate possible

Required oil min. 64 Liter/200 bar

Separate oil pipe with dynamic pressure <2 bar

Bankettverdichter BPV 1HS



Format 4 (Paver Midland)



Hydraulically-operated Single plate compactor,
connected to MIDLAND Paver
System BRANDL/BOMAG

All functions can be carry out by a sigle person at the same
time or you can also use the functions separate.

Area of work up to 1700 mm, partial hydraulic adjustable to
right or left

Weight approx. 1200 kg

Base of plate in steel HB 450

Width standard 850 mm

optional threepart 150/550/150 mm

Angle of imcline variable to 2 x 15 degree

Work depth approx. 400 mm

Centrifugal force 55 kN, Frequency 40-55 Hz

Run-down street cleaner 1800 mm wide

Doppelrüttelplatte BPV 2H

Double Plate Compactor



Excellent compaction results on surfaces consisting of noncohesive and gravelly surfaces, such as sand, gravel and mixed soils



Hydraulically-operated Double plate compactor for wheeled loader Bobcat and drag over
System BRANDL/BOMAG

Base of plate in steel HB 450
Width standard 1720 mm

Weight approx. 1100 kg

Centrifugal force 2 x 55 kN
Frequency 40-55 Hz

Required oil 50-70 Liter/200 bar
Plus separate oil pipe with dynamic pressure <2bar
Directly to the tank of the support frame

Doppelrüttelplatte BPV 2HB

Double Plate Compactor



Hydraulically-operated Double plate compactor
Fitted with easy fixing plate for excavator, System
BRANDL/BOMAG

Base of plate in steel HB 450
Width standard 1720 mm

Weight approx. 1100 kg

Centrifugal force 2 x 55 kN

Frequency 40-55 Hz

Required oil 50-70 Liter/200 bar
Connected via hydraulic plus separate oil pipe with
dynamic pressure <2 bar directly in tank

Doppelrüttelplatte BPV 2HT

Double Plate Compactor



Hydraulically-operated (power take off) Double plate compactor for drag over System BRANDL/BOMAG.

Power take off drive mechanism 540/1000 rpm,
Double filter system, big oil cooler
Power take off supplied by the customer

Base plate in steel HB 450
Width standard 1720 mm

optional:

- watersprayer
- gearbox for front or rear connection

Weight approx. 1400 kg
Centrifugal force 2 x 55 kN
Frequency 40-55 Hz

For support frames min 2,5t weight
Lifting force > 2,0t

Dreifachrüttelplatte BPV 3H

Triple Plate Compactor



Excellent compaction results on surfaces consisting of noncohesive and gravelly surfaces, such as sand, gravel and mixed soils

Hydraulically-operated Triple plate compactor for wheeled loader, Bobcat and drag over System BRANDL/BOMAG

Base plate in steel HB 450
Width standard 2590 mm

Weight approx. 1500 kg
Centrifugal force 3 x 55 kN
Frequency 40-55 Hz

Required oil 70 Liter/200 bar
Plus separate oil pipe with dynamic pressure <2bar
Directly to the tank of the support frame

For support frames min 5t weight
With drive speed control

Dreifachrüttelplatte BPV 3H

Triple Plate Compactor (Tractor Hydraulic)



Excellent compaction results on surfaces consisting of noncohesive and gravelly surfaces, such as sand, gravel and mixed soils



Hydraulically-operated Triple plate compactor for drag over and Bobcat System BRANDL/BOMAG

Base plate in steel HB 450
Width standard 2590 mm

optional:

- Watersprayer
- additional cooler

Weight approx. 1500 kg
Centrifugal force 3 x 55 kN
Frequency 40-55 Hz

Required oil 70 Liter/200 bar
Plus separate oil pipe with dynamic pressure <2 bar directly to the tank of the support frame

For support frames min 4t weight
Lifting force > 2,4t

Dreifachrüttelplatte BPV 3HG

Triple Plate Compactor



Hydraulically-operated Triple plate compactor for motor grader and Bobcat - System BRANDL/BOMAG/VOLVO

Base plate in steel HB 450 standard 2590 mm

Side displacement left/right approx. 500 mm

Weight approx. 1800 kg

Centrifugal force 3 x 55 kN

Frequency 40-55 Hz

Required oil 70 Liter/200 bar

plus separate oil pipe with dynamic pressure <2 bar directly to the tank of the support frame

(drive speed 0-800 m/h required)

Dreifachrüttelplatte BPV 3HB

Triple Plate Compactor



Hydraulically-operated Triple plate compactor for excavator

System BRANDL/BOMAG

Base plate in steel HB 450

Width standard 2590 mm

Weight approx. 1800 kg

Centrifugal force 3 x 55 kN

Frequency 40-55 Hz

Required oil 70 Liter/200 bar

Connected via hydraulic plus separate oil pipe with dynamic pressure <2 bar

Directly to the tank of the support frame

Dreifachrottelplatte BPV 3HT

Triple Plate Compactor (power take off)



Hydraulically-operated (power take-off) Triple plate compactor for drag over System BRANDL/BOMAG.

Power make of drive mechanism 1000 rpm,
Double filter system, big oil cooler
Power take-off with ist own oil supply
Power take-off supplied by the customer

Base plate in steel HB 450
Width standard 2590 mm

optional:

- watersprayer
- gearbox for front or rear connection

Weight approx. 1800 kg
Centrifugal force 3 x 55 kN
Frequency 40-55 Hz

For support frames min 4,5t weight
Lifting force > 2,8t

