

# Vibratory plates



**WACKER  
NEUSON**  
*all it takes!*



# These reasons speak for vibratory plates from Wacker Neuson.

## 1. Uncompromising economic efficiency! With innovations for optimum compaction performance.

Great performance, low consumption. No component is too much. We are, however, full of ideas and technologies that make operation and work easier for you. You will only find this combination with the vibratory plates and vibratory trench rollers from Wacker Neuson.

## 2. Reliable operation! With time-tested and proven quality from the compaction specialists.

Unload. Turn on. Get started. And then straight to the next project. You cannot afford to stand still. That is why our vibratory plates run reliably for as long as you need them – supported by our first-class service.

## 3. Your needs in focus! With the complete selection of compaction equipment.

The extensive product range of vibratory plates is not only perfectly matched to your different application areas, but is also exemplary in its maintenance. We are happy to advise you about which product and accessory is the right one for your project – and we will help you with the financing as well.

### Wacker Neuson – all it takes!

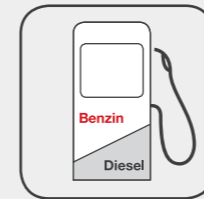
We offer products and services rendered that meet your high requirements and diverse applications. Wacker Neuson stands for reliability. This of course also applies to our large range of vibratory plates. We do our best every day to ensure your success. And we do this full of passion for our jobs.

# Compaction expertise to the last detail.



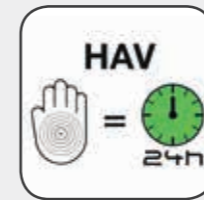
### Pinpoint compaction

Compatec shows you when no further compaction is required with the respective unit. Over-compaction and overload are thus avoided.



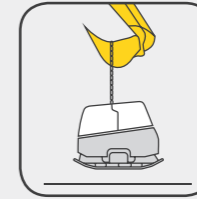
### Diesel or gasoline drives

High power reserves and a long service life characterize the engines of all models. Many models are optionally available with a gasoline or diesel drive engines.



### Low hand-arm vibrations (HAV)

Low hand-arm vibrations (HAV) are essential, especially during long-time application. Almost all reversible vibratory plates from Wacker Neuson can be used without a time restriction, sometimes even without a documentation requirement.



### Transport in no time

Whether on the job site or in the vehicle: Sophisticated details make transporting the vibratory plates convenient and easy.



### Remote-controlled operation

The models DPU80r, DPU110r and DPU130r can be operated comfortably and safely by infrared remote control. Read more on pages 13 and 15.



Wacker Neuson distinguishes particularly economical and environmentally friendly products with the ECO seal, including the vibratory plate DPU130r.

# Overview of all vibratory plates.

## Forward traveling:



## Lightweight and reversible:



## Medium-weight and reversible:



## Heavy and reversible as well as remote-controlled:





## Single direction vibratory plates

Easy to maneuver and extremely mobile – with the small single direction vibratory plate, you will effortlessly reach any narrow spot.

Convinces with all-rounder qualities in small areas and niches, mixed soils as well as interlocking paving stones, asphalt, paving stone and soil compaction



Particularly suitable for asphalt compaction as well as for paving stone and soil compaction and path construction.

### VP series

- Maneuverable due to the special shape of the base plate and frame
- The base plate is made of a very wear-resistant material with a high surface quality for perfectly compacted asphalt
- Swiveling control handle, which makes it possible to pull the unit
- Threadless and fast assembly of the paving pad
- Longer service life thanks to the sturdy cylindrical roller bearings and V-belt drive system
- Simple transport thanks to four transport handles, fold-down control handle and sturdy lifting eye
- Low exhaust gas emissions of the gasoline engine
- Optional: 9-liter water tank with sprinkler system

	VP1030	VP1135	VP1340	VP1550	VP2050
Power output (kN)	10	11	13	15	20
Weight (kg)	50	60	75	85	100
Type of engine	Gasoline engine				

### DPS series

- Vario models DPS1850Hv and DPS3060Hv: adjustable centrifugal force to adapt the compaction force to various types of soil and layer heights
- Asphalt specialist DPS1850 asphalt: with a water tank, sprinkler system and protective cage. Outfitting also available as an accessory for DPS1850 Basic and DPS1850 Vario
- Paving stone specialist DPS3060: high compaction performance, quiet running behavior thanks to the 90-Hz frequency, sturdy bearings for long applications on hard surfaces

	DPS1850 Basic	DPS1850 Asphalt	DPS1850 Vario	DPS3060
Power output (kN)	18	18	18	30
Weight (kg)	111	128	112	128
Type of engine	Diesel engine			



Ideal for long-time application in asphalt and paving stone compaction, for processing top layers and subbases and can be adjusted to different soil conditions.

### WP series

- More stability due to the optimized frame and handles for safe lateral operation
- The base plate is made of a very wear resistant material with a high surface quality for perfectly compacted asphalt
- 2 operating widths available (400 mm and 500 mm)
- Gasoline engine with low exhaust gas emissions
- Optional: 11-liter water tank with large opening for easy filling

	WP1540	WP1550
Power output (kN)	15	15
Weight (kg)	86	86
Type of engine	Gasoline engine	

**Practical on a hillside:** unit can be pulled, since the control handle can be swiveled to the front.



**High level of mobility on the construction site:** thanks to an optionally available wheel set.



**Accessories for asphalt work:** water tank with sprinkler system.



**Special Vario exciter** allows for the variable adjustment of the centrifugal forces in order to adapt the compaction force individually to the type of soil.





## Lightweight reversible vibratory plates

More operating comfort due to the forward and reverse travel direction combined with a compact design – that is what the small reversible vibratory plates from Wacker Neuson offer you.

Economical solution thanks to the very convincing price-performance ratio.

<b>WPU1550</b>	
Power output (kN)	15
Weight (kg)	96–110
Type of engine	Gasoline engine

### WPU1550

- Smallest and most lightweight reversible vibratory plate from Wacker Neuson
- Solid steel pipe frame with additional handles for lateral guidance as well as increased protection of the engine and water tank
- Base plate made of high quality nodular cast iron: for easy turning on asphalt, without roughing it up
- Sturdy transport roller with a wide contact surface prevents tracks in fresh asphalt
- Sprinkler system for optimal water distribution across the entire width of the base plate



### DPU2540

Power output (kN)	25
Weight (kg)	145–160
Type of engine	

DPU2550	DPU2560	DPU3050	DPU3060	DPU3070	DPU3750	DPU3760
25	25	30	30	30	37	37
166	171	166–206	190–215	160	240–265	256–274

optionally gasoline or diesel engine

### DPU series

- Handle damping for fatigue-free and comfortable work
- Recoil or electric starter depending on the engine version
- Extremely economical and durable due to break-proof, low-wear materials
- Fold-down and displaceable lifting eye
- Base plate made of wear resistant nodular cast iron guarantees a long service life



Widths from 40 to 70 cm available

For the compaction of paths, trenches, in confined areas, for paving stones or maintenance work.



**Very easy to maneuver:** thanks to the specially-shaped base plate of the WPU1550.



**Integrated wheel set:** maintenance-free and sturdy – even in the toughest conditions.



**Perfect center pole fastening:** self-locking and absolutely free of play.



**Top speed version:** for the best compaction performance with sett paving (paving stone) laying.



## Medium-weight reversible vibratory plates

For long-time application, you can rely on the extremely high compaction performance of the medium-weight reversible vibratory plates from Wacker Neuson. Hand-arm vibration (HAV) values far below the trigger value save the effort of documenting the work.

### DPU series

- First-class compaction force
- Handle damping for fatigue-free and comfortable work
- Engines with high power reserves provide for a long service life
- Intelligent functions, such as low oil shutdown, self-adjusting V-belt, maintenance-free alternator
- Base plate made from wear resistant nodular cast iron
- Optional outfitting for electric starter models: Compatec, operating hour meter, extra wide extension plates, extra wide protective cage for DPU6555

For professional long-time application, the compaction of anti-frost layers and subbases in road and highway, path and parking lot construction, the vibration of heavy interlocking paving stones thanks to the frequency 69 Hz as well as for the backfilling of buildings.



Widths from 40 to 86 cm available

	DPU4045	DPU4545	DPU5545	DPU6555
Power output (kN)	40	45	55	65
Weight (kg)	322-368	394-419	391-439	464-510
Type of engine	Diesel engine	Diesel engine	Optionally gasoline or diesel engine	Diesel engine

DPU6555:  
EXTRA WIDE  
PROTECTIVE  
FRAME



Time-tested and proven for all application areas in road and highway construction and civil engineering. Even vibrates heavy interlocking paving stones and reliably compacts very cohesive soils.

### No documentation requirement:

Hand-arm vibrations (HAV) are below 2.5 m/s<sup>2</sup> thanks to the vibration-reduced center pole.



Low hand-arm vibrations

=



Unit operation without any time restrictions



**Without changing your grip:** change the travel direction or travel speed by moving the handle.



**Safe in every case:** if the control handle is released, the unit only vibrates on the spot.



**Compatec compaction display:** it indicates when the maximum compaction has been achieved with the unit. Available for DPU4045, DPU4545, DPU5545, DPU6555.

Learn more at:  
[www.wackerneuson.com/compatec](http://www.wackerneuson.com/compatec)



## Heavy reversible and remote controlled vibratory plates

The models DPU80, DPU90 and DPU110 complete our well-balanced product range. So you always have exactly the compaction performance that you need. And independently of whether you choose a model with a center pole or remote control: In terms of operator friendliness, all units are equally convincing.



DPU80



DPU80r



DPU90



DPU110



DPU110r

Power output (kN)	80	80	90	110	110
Weight (kg)	756/771	709/724	756/771	813/830	793/810
Operating width (mm)	670/770	670/770	670/770	870/970	870/970



**Better protection of the center pole and hood** when displacing due to the lifting point rotated by 90°

**Large air filter** for long engine run times and maintenance intervals

**Sturdy hood** made of a tubular frame and steel plates, split and swiveling, durable as well as optimally designed for all maintenance jobs

**Available as an option:** machine protection (shutdown upon over-compaction) or Compatec (includes machine protection)

**Low height**, ideal for application in trench shoring

**Large, easily accessible fuel tank** with a visible fill level, sufficient for about 4 hours of continuous operation

830 mm

Particularly suitable for heavy, cohesive soils and in trench shoring – especially for long-time application.

**Open base plate:** easy to clean without the risk of damaging the hydraulic hoses

**Large, easily accessible tie-downs** and thus less transport damage



**Clearly arranged operator panel:** electronic operating displays and configurations, e.g. for overload protection, anti-theft PIN as well as error memory.



**Liquid-cooled engine** for significantly reduced noise emissions and a very efficient engine cooling.



**At a glance:** the LED lights of the compaction control Compatec show you the degree of compaction.



**Simply fold up the hood** and all control and maintenance points are easily accessible.





## DPU80, DPU90, DPU110



### >> The new comfort center pole

The vibratory plates DPU80, DPU90 and DPU110 are outfitted with a virtually vibration-free control handle. These models thus fall below the HAV value of  $2.5 \text{ m/s}^2$  and the same operator can therefore work without a time restriction. In addition, the extensive documentation requirement (according to the EU directive 2002/44/EC) can be dispensed with.

The direction change is intuitive through forward and reverse movements of the control handle. The big added safety: If the operator releases the control handle, the unit automatically switches to on-the-spot compaction.



Easily release the center pole lock via the pedal.



Ideal when working in trench shoring: quickly lower the center pole via the foot lever and then directly reset it to the previous operating position.



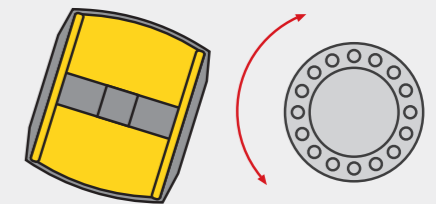
## DPU80r, DPU110r



### >> Infra-red remote control

Work safely at all times and control delicately even when turning corners – the remote controlled vibratory plates from Wacker Neuson make this possible for you. In addition, the operator is not exposed to any mechanical loads, such as hand-arm vibrations, due to the distance to the compaction equipment. The same applies to dust, exhaust fumes and noise emissions. If the line of sight is interrupted, the unit automatically switches off.

**Direction change with simultaneous travel:** for clean turning of curves and a high compaction performance.



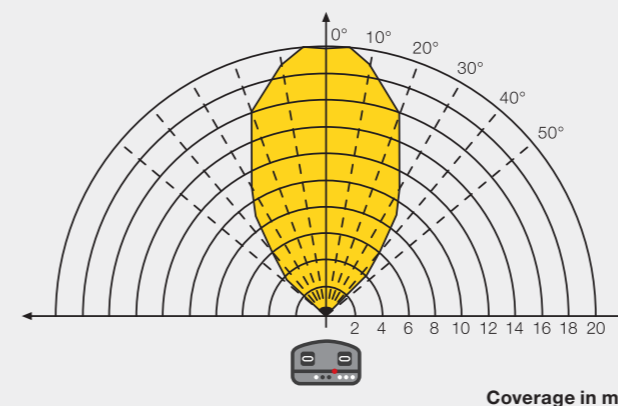
### High level of safety:

It stops moving if there is no clear line of sight between the operator and the compaction equipment.



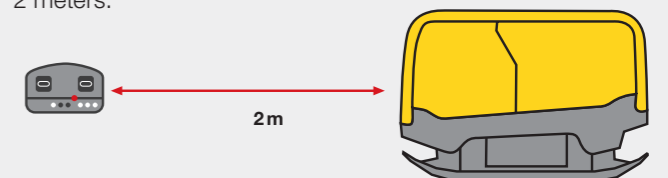
### Far-reaching control:

A transmission field of up to 20 meters and an angle of  $45^\circ$  guarantee a high level of working comfort.



### Intelligent proximity recognition sensor:

The machine stops automatically when the minimum safety distance between the operator and machine is less than 2 meters.





## Heavy-weight remote controlled vibratory plates

The DPU130r is the most powerful vibratory plate on the market and exceeds all expectations: Its compaction performance approaches that of a 7-ton roller. Thanks to the remote control, you can also compact places with the DPU130r that are difficult to access.

### DPU130r

Power output (kN)	<b>130</b>
Weight (kg)	<b>1,185</b>
Type of engine	<b>Diesel engine</b>

**A high level of safety** due to infra-red remote control with a proximity recognition sensor and automatic shutdown if the line of sight is lost

**Offers a compaction performance like a 7-ton roller** and can also be used in twisting and winding areas due to the high level of maneuverability.

**Very simple maneuvering** thanks to the unique, two-part base plate, e.g. along manhole covers and other obstacles



**Overload sensor** to protect against damaging the unit

**On-board computer for comfort functions**, such as anti-theft protection or extensive diagnostic options

**Large, easily accessible tie-downs** and therefore easier securing and less transport damage

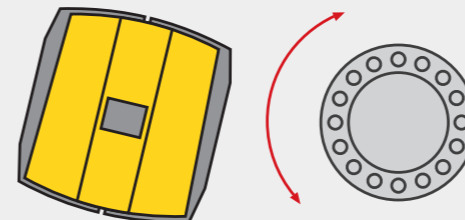
**The best service access** – simply fold open the cover.



**A low loader is not necessary:** the DPU130r only weighs 1,200 kg and can be transported on a truck bed.



**Direction change with simultaneous travel:** when it comes to turning curves, no vibratory plate is better than the DPU130r.



**Easy to steer at all times** thanks to the divided base plate.



# The right solution for every type of soil and application area.



The most lightweight, reversible vibratory plate in particular convinces in gravelly sand beds: the WPU1550.



The Compatec display for the models from 40 kN will provide you with information about the compaction progress



A good result for asphalt work thanks to the efficient sprinkler system.



Remote controlled: the most powerful vibratory plate on the market: DPU130r.



Hand-arm vibrations and a documentation requirement are a moot point with remote-controlled units.



	Water tank (liters)	Transport device	Paving pad	Protective cage
<b>VP1030A</b>	○ (9)	-	○	-
<b>VP1030Aw</b>	● (9)	-	○	-
<b>VP1135A</b>	○ (9)	○	○	-
<b>VP1135Aw</b>	● (9)	○	○	-
<b>VP1340A</b>	○ (9)	○	○	-
<b>VP1340Aw</b>	● (9)	○	○	-
<b>VP1550A</b>	○ (9)	○	○	-
<b>VP1550Aw</b>	● (9)	○	○	-
<b>VP2050A</b>	○ (9)	○	○	-
<b>VP2050Aw</b>	● (9)	○	○	-
<b>WP1540A</b>	○ (11)	○	○	-
<b>WP1540Aw</b>	● (11)	○	○	-
<b>WP1550A</b>	○ (11)	○	○	-
<b>WP1550Aw</b>	● (11)	○	○	-
<b>DPS1850H Asphalt</b>	● (11)	○	○	●
<b>DPS1850H Basic/Vario</b>	○ (11)	○	○	○
<b>DPS3060H</b>	-	○	○	-
<b>WPU1550A</b>	○ (12)	○	○	-
<b>WPU1550Aw</b>	● (12)	○	○	-

**ACCESSORIES FOR VIBRATORY PLATES**



	Set of extension plates in various widths	Transport device	Paving pad
<b>BPU2540A</b>	-	○	○
<b>DPU2540H</b>	-	○	○
<b>DPU2550H</b>	-	○	○
<b>DPU2560H/DPU2560Hts</b>	-	○	○
<b>BPU3050A</b>	-	○	○
<b>DPU3050H/DPU3050He</b>	-	○	○
<b>DPU3060H/DPU3060Hts</b>	-	○	○
<b>DPU3070H</b>	-	○	○
<b>DPU3750Hts/DPU3750Hets</b>	-	○	○
<b>DPU3760Hts/DPU3760Hets</b>	-	○	○
<b>BPU4045A</b>	○	○	○
<b>BPU5545A</b>	○	○	○
<b>DPU4045Ve</b>	○	○	○
<b>DPU4545H/DPU4545He/DPU4545Heap</b>	○	○	○
<b>DPU5545H/DPU5545He/DPU5545Heap</b>	○	○	○
<b>DPU6555H/DPU6555He/DPU6555Hec</b>	○	-	○
<b>DPU80</b>	-	-	-
<b>DPU80r</b>	-	-	-
<b>DPU90</b>	-	-	-
<b>DPU110</b>	-	-	-
<b>DPU110r</b>	-	-	-
<b>DPU130r</b>	-	-	-

**ACCESSORIES FOR VIBRATORY PLATES**

- not available   ○ available   ● integrated

# Technical data of the vibratory plates

VP SERIES			VP1030	VP1135	VP1340	VP1550	VP2050	WP SERIES	WP1540	WP1550	DPS SERIES	DPS1850	DPS1850	DPS1850	DPS3060	WPU SERIES	WPU1550
			10 kN	11 kN	13 kN	15 kN	20 kN		15 kN			18 kN		30 kN	15 kN		
	SPECIFICATION	UNIT															
Weight	kg	54-60	58-64	76-83	86-92	93-99		86	86		111	112	128	128		90	
Centrifugal force	kN	10	11	13	15	20		15	15		18	18	18	30		15	
Operating width	mm	300	350	400	500	500		430	498		500	500	500	600		500	
Frequency	Hz	98	98	98	98	98		97	97		90	98	90	90		98	
Engine		Honda GX220	Honda GX120	Honda GX160	Honda GX160	Honda GX160		Honda GX160	Honda GX160		Hatz 1 B 20	Hatz 1 B 20	Hatz 1 B 20	Hatz 1 B 20		Honda GX160	
Rated power at 3,600 rpm	kW	3.5	3.5	4.8	4.8	4.8		4.8	4.8		4.6	4.6	4.6	3.4		3.6	

BPU- & DPU SERIES 25, 30, 37 kN			BPU2540	DPU2540	DPU2550	DPU2560	BPU3050	DPU3050	DPU3060	DPU3070	BPU3750	DPU3750	DPU3760
			25 kN				30 kN			37 kN			
	SPECIFICATION	UNIT											
Weight	kg	145	160	166	171	166	181-206*	190-215*	195	240	-	-	
Centrifugal force	kN	25	25	25	25	30	30	30	30	37	37	37	
Operating width	mm	400	400	500	600	500	500	600	700	500	500	600	
Vertical clearance	mm	666	736	736	736	746	777	777	777	746	-	-	
Frequency	Hz	90	90	90	90	90	90	90	90	90	90	90	
Engine		Honda GX160	Hatz 1 B 20	Hatz 1 B 20	Hatz 1 B 20	Honda GX270	Hatz 1 B 30	Hatz 1 B 30	Hatz 1 B 30	Honda GX270	Hatz 1 B 30	Hatz 1 B 30	
Power rating	kW	3.1 (at 2,840 rpm)	3.1 (at 2,800 rpm)	3.1 (at 2,800 rpm)	3.1 (at 2,800 rpm)	5.2 (at 2,800 rpm)	4.2 (at 2,800 rpm)	4.2 (at 2,800 rpm)	4.2 (at 2,800 rpm)	5.2 (at 2,800 rpm)	4.2 (at 2,800 rpm)	4.2 (at 2,800 rpm)	
Options		-	-	-	Top Speed Version	-	Electric starter	Electric starter, Top Speed Version	-	-	Electric starter	Electric starter	

BPU & DPU SERIES 40-130 kN			DPU4045	DPU4545	BPU5545	DPU5545	DPU6555	DPU80	DPU80r	DPU90	DPU110	DPU110r	DPU130r
			40 kN	45 kN	55 kN		65 kN	80 kN	80 kN	90 kN	110 kN	110 kN	130 kN
	SPECIFICATION	UNIT											
Weight	kg	376	402-423*	340	399-447*	464-518*	756-771	709-724	756-771	813-830	793-810	1,170	
Centrifugal force	kN	40	45	55	55	65	80	80	90	110	110	130	
Operating width	mm	600	600	600	600	550 x 900	670/770	670/770	670/770	870/970	870/970	1,200	
Vertical clearance	mm	764	790	764	790	869	830	830	830	830	830	996	
Frequency	Hz	69	69	69	69	69	56	56	63	60	60	58	
Engine		Yanmar L70N	-	Honda GX390	Hatz 1 D 42S	Hatz 1 D 81S	Kohler 702	Kohler LDW 702	Kohler 702	Kohler LDW 1003	Kohler LDW 1003	Kohler KDW 1404	
Power rating	kW	4.5 (at 3,000 rpm)	6.4 (at 2,850 rpm)	6.4 (at 2,600 rpm)	6.4 (at 2,850 rpm)	9.6 (at 2,800 rpm)	11.5 (at 3,600 rpm)	11.5 (at 3,600 rpm)	11.5 (at 3,600 rpm)	18.5 (at 3,600 rpm)	18.5 (at 3,600 rpm)	21 (at 2,700 rpm)	
Options		Electric starter (standard), operating hour meter	Compatec, operating hour meter	-	Electric starter, Compatec, operating hour meter, extra-wide extension plates	Electric starter, Compatec, operating hour meter, narrow protective cage	Overload protection, Compatec including overload protection; standard with electric starter and operating hour meter	Overload protection, Compatec including overload protection; standard with electric starter and operating hour meter	Overload protection, Compatec including overload protection; standard with electric starter and operating hour meter	Overload protection, Compatec including overload protection; standard with electric starter and operating hour meter	Overload protection, Compatec including overload protection; standard with electric starter and operating hour meter	Standard with electric starter, operating hour meter and overload protection	

- not available

\* Weight depends on the additional options selected

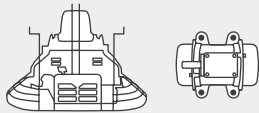
Your everyday work is full of challenges. We have the right solutions and help you to be ahead of the competition. We offer you everything you need for this purpose:

**Wacker Neuson – all it takes!**

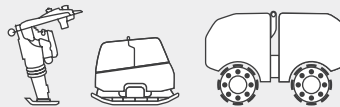


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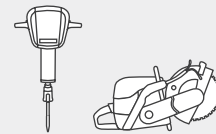
Products



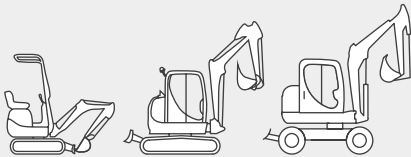
Concrete technology



Compaction



Demolition technology



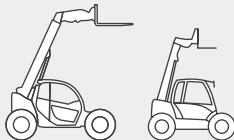
Excavators



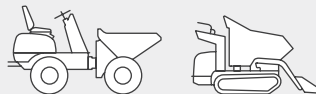
Wheel loaders



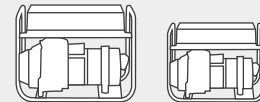
Skid steer loaders



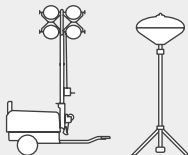
Telehandlers



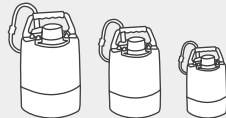
Dumpers



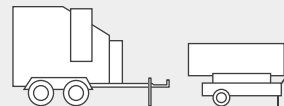
Generators



Lighting



Pumps



Heaters



Used equipment

Services rendered



Financing



Repair & maintenance



Academy



Rental



Telematics



The concrete specialists

Spare parts



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