

Unbeatable in Performance, Safety and Flexibility

Wacker Coupled Plates

The DPU 100-70 remote control coupled set brings together the performance of a roller with the manoeuvrability of a vibratory plate. Coupled plates are already a proven solution, especially for constructing railways and roads. By connecting two or three units of the 100-70, the most powerful machine in its class, you gain unbeatable performance and safety. The coupled plates really excel in situations where large rollers are impractical or inefficient - and they never compromise on compaction performance.



Maximum Health and Safety

The coupled machines set new standards for operator safety. Thanks to a proven infrared remote controller, the operator not only stands outside of the danger zone, but also avoids the dust, noise, and vibration that he would otherwise be forced to endure. In fact, the remote controller completely eliminates vibrations to hands, arms, and other body parts. Especially when building roads, railways, and dikes, the machine operator is able to work from a safe location and avoid immediate dangers of the construction site, such as moving trains or the risk of falling from a dam. These characteristics make the coupled set one of the safest solutions for high performance face sealing.



Extreme Flexibility

The machines can be used singly, in pairs, or three at a time in response to changing requirements like desired compaction performance and current working conditions (static structure loads, lack of space). Changing from one configuration to another is a simple task that can take place on the construction site and without specialized knowledge, since the machines are connected neither hydraulically nor electrically. Machines can be adapted to new conditions within just a few minutes.



High Productivity

A single DPU 100-70 is already the most powerful vibratory plate on the market. When three of these machines are coupled together, they deliver the incredible power of a 7.5-metric-ton motorized roller. This is a very economical way to compact large surface areas. And when you're working on a statically sensitive area, you can still exert tremendous compaction force without the use of a roller. Another benefit: The coupling set adapts flexibly to the ground conditions and levels out uneven spots better than a rigid drum.



Specifications

Coupled Sets RCS2/RCS3

Dimensions with extension plate series		
Total width across two machines	mm	1,760
Total width across three machines	mm	2,556
Operating weight (without lifting beam)		
When coupling two machines	kg	1,540
When coupling three machines	kg	2,310
Lifting beam (max. including chains and shackles)	kg	85
HAV/WBV	ms ²	0
Exciter		
Oscillations	Hz	approx. 56
Centrifugal force with two machines (RCS2)	kN	200
Centrifugal force with three machines (RCS3)	kN	300
Compaction performance		
Maximum compacted area with standard extension plates (RCS2)	m ² /h	2,957
Maximum compacted area with standard extension plates (RCS3)	m ² /h	4,462
Note		See technical data sheet on the DPU100-70 for additional specifications on basic machine
Remote control unit		Line-of-sight (infrared)

Model Guide

R = Remote Control	2 = 2 machines
CS = Coupled Set	3 = 3 machines

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