



RD45

Ride-on Rollers

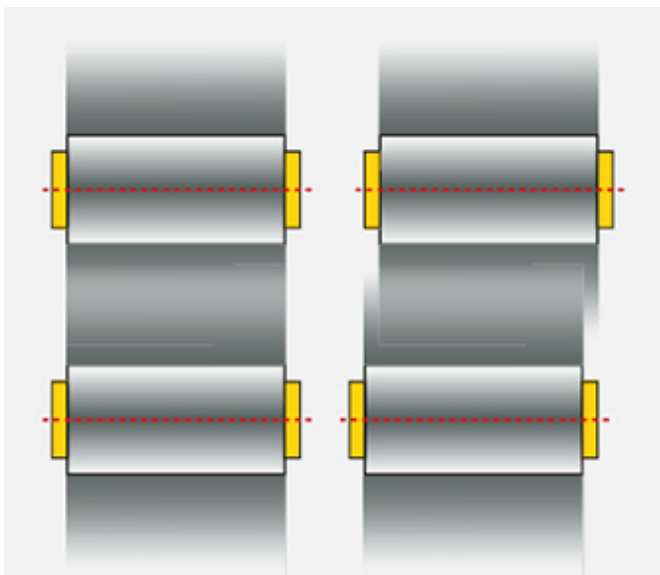


Powerful and versatile

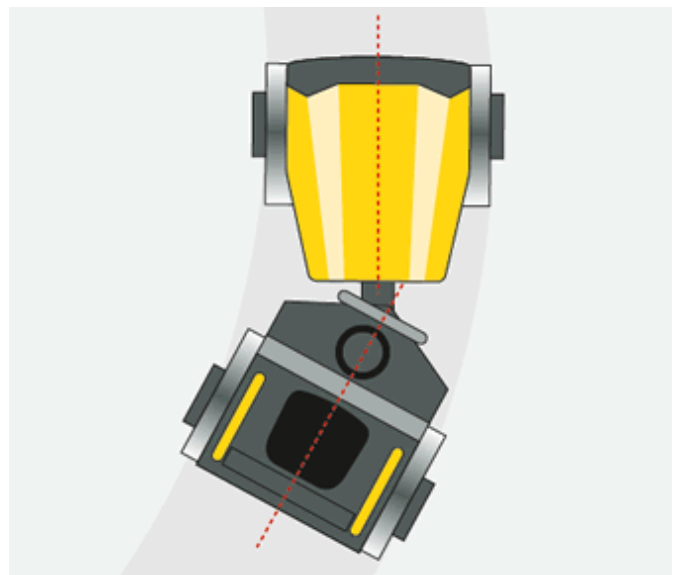
The rollers of the RD 45 series are articulated tandem-axle rollers, which are also available with an oscillating drum or as a combination roller. Due to the low machine height, the articulated joint and the optimal view, the RD 45 rollers can be used in a variety of ways. Due to the oscillating drum that exists with the RD 45-140 O model, the entire compaction force is transmitted into the ground thanks to the two installed eccentric weights.

- Edge pressing and cutting equipment for a clean edge of the paths
- Installed articulated pendulum joint ensures for even compaction, a high level of maneuverability and optimal driving stability
- Three model versions: Tandem-axle roller with 2 vibrating drums, combination roller or tandem-axle roller with oscillating drum
- Optimal visual conditions due to the slim design
- Safe ROPS (Roll Over Protective Structure) that can be folded back for transport

Crab steering



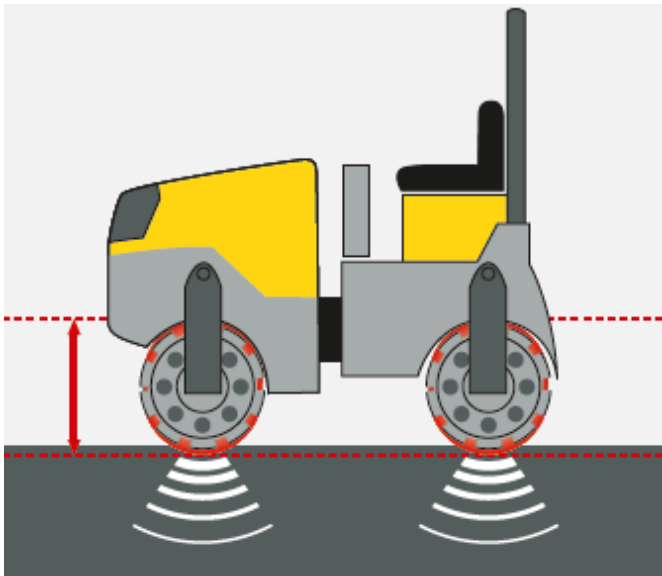
Articulated pendulum joint



The drum offset allows for easy maneuvering when compacting along walls. In crab steering, the roller can be conveniently controlled in any desired direction.

Uniform compaction, optimal driving stability: The three-point articulated pendulum joint ensures a uniform weight distribution on the front and rear drum at all times. This also improves the maneuverability and provides for maximum stability when turning curves.

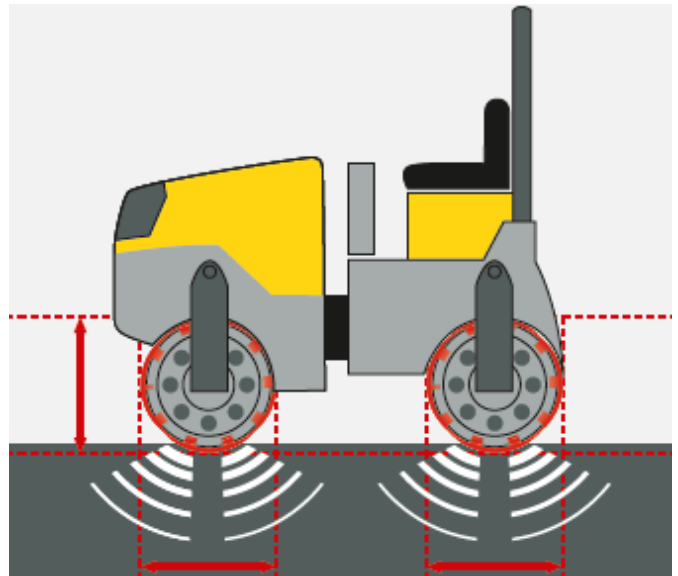
Vibrating drum



Ideal for all traditional compaction work.

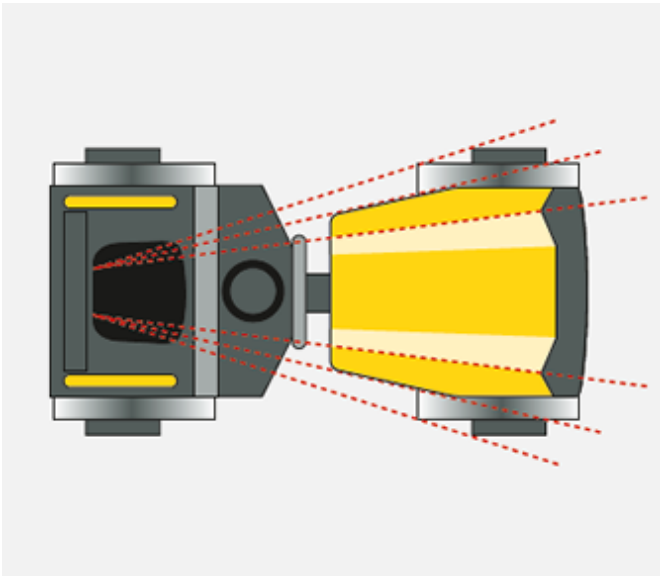
The vibrating drum optimally oscillates the material to be compacted with quick successive vertical forces. The built-in eccentric weight provides for a fast rotation and an excellent compaction performance.

Oscillating drum



Flawlessly compacts even asphalt at low temperatures. Perfectly suited for the compaction of seams (hot to cold). Trouble-free operation on bridges.

Rollers with an oscillating drum compact with a high efficiency, since the drums maintain permanent contact with the ground. With its two synchronous rotating eccentric weights, the drum uses forward and reverse movements to direct its entire compaction force into the ground.



Optimal view

Everything is perfectly within view: With the specially designed, tapered design of the roller, you always have an excellent view of the drum edges, the machine environment and the job site.



Service network

We are always there for you: Thanks to our close-knit service network, you can always rely on our quick support.



First-class compaction performance

Regardless of which of our models you choose – one thing is certain: You will be impressed with the compaction performance of our rollers. Guaranteed!



Finely tiered model selection

Different tonnages and a diverse selection of tandem-axle rollers with vibration and oscillating drums as well as combination rollers: Choose exactly the model that you need for your project.



Built-in user comfort

All of the Wacker Neuson models can be easily operated for particularly pleasant work.



Technical specifications

	RD 45-140	RD 45-140C	RD 45-140 O
Dimensions			
Operating weight with roll-over protective structure kg	4,345	3,995	4,435
Operating weight max. kg	5,300	4,960	5,640
L x W x H mm	2,860 x 1,506 x 2,720	2,860 x 1,506 x 2,720	2,860 x 1,506 x 2,720
Drum diameter mm	900	900	900
Drum width mm	1,380	1,380	1,380
Operating width mm	1,430	1,380	1,430
Curb clearance mm	63	63	63
Ground clearance Middle mm	305	305	305
Operating data			
Drum type Front	smooth / undivided	smooth / undivided	smooth / undivided
Drum type Rear	smooth / undivided	Tires	smooth / undivided
Axle load Front kg	2,175	2,175	2,175
Axle load Rear kg	2,170	1,820	2,260
Frequency Level I Hz	60	60	60
Frequency Level II Hz	51	51	51
Amplitude Level I mm	0.51	0.51	0.51
Amplitude Level II mm	0.31	0.31	0.31
Oscillation frequency Level I Hz	0	39	0
Oscillation frequency Level II Hz	0	30	0
Tangential amplitude mm	0	1.37	0
Oscillation force Level I kN	0	72	0
Oscillation force Level II kN	0	43	0
Linear force static (front) N/mm	15.8	15.8	15.8
Linear force static (rear) N/mm	15.7		16.5
Centrifugal force Level I kN	64	64	64
Centrifugal force Level II kN	39	39	39
Advance travel max. m/min	184	184	184
Gradeability with vibration %	30	30	30
Gradeability without vibration %	40	40	40
Turning radius inside mm	2,650	2,650	2,650
Engine / Motor			



	RD 45-140	RD 45-140C	RD 45-140 O
Engine / Motor type	4-cylinder diesel engine	4-cylinder diesel engine	4-cylinder diesel engine
Engine / Motor manufacturer	Kubota	Kubota	Kubota
Engine performance ISO 14396 kW	34.6	34.6	34.6
Tank capacity Fuel l	73	73	73
Tank capacity Water l	285	285	285

Please note

that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions.

Subject to alterations and errors excepted. Applicable also to illustrations.

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