

## Tandem and combination rollers



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



# 1.5 ton and 2.5 ton class rollers

Sophisticated technology delivers first-class performance and safety – even in confined areas.

- Maneuverable, compact roller models for superior compaction for a variety of applications
- Dual drum vibration with high and low settings
- Large drum diameter combined with a low machine center of gravity ensure excellent compaction quality
- The three-point articulated pendulum joint offers constant surface contact for better results, safety and a smoother ride
- Unilateral drum support on the RD18 allows flush rolling on both sides
- Intuitive instrument panel

**Highly maneuverable**, thanks to the special 3-point pendulum articulation.



**Tandem roller with an oscillation drum** is an available configuration on the 2.5 ton models and above, for significantly less ground vibration.

## 4.0 ton class rollers

Rollers with one of the highest centrifugal forces on the market provide full compaction force for your project.

- Roller configurations include traditional tandem roller, tandem roller with an oscillation drum or a combination version (pictured)
- The three-point articulated pendulum joint offers constant surface contact for better results, safety and smoother ride
- Vibration and oscillation can be adjusted in two levels
- Fold-down roll-over protective structure (ROPS) comes standard
- Central drainage means water can be drained in one simple step
- Adjustable drum offset standard



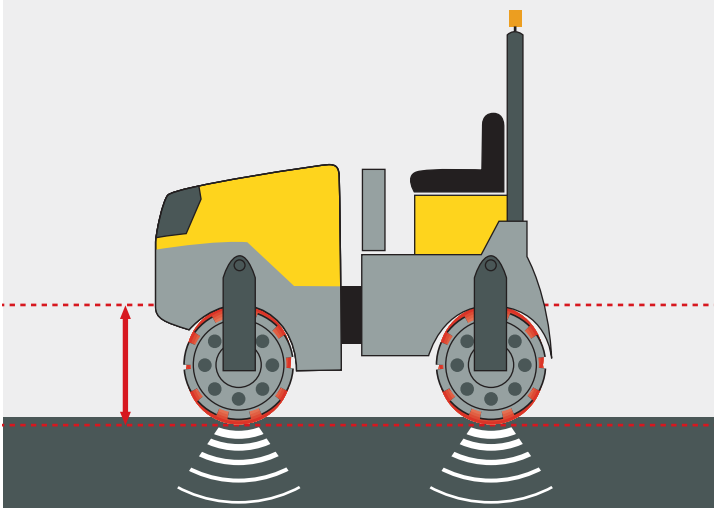
**Large tanks** for fuel and water extend operation time

**Ergonomic seats** and plenty of legroom provide comfort and convenience.

# Vibration or oscillation: the choice is yours

## Vibration drum

The vibration drum brings the material to be compacted into motion with quick successive vertical forces. The built-in eccentric weight provides for a fast rotation and excellent compaction performance.

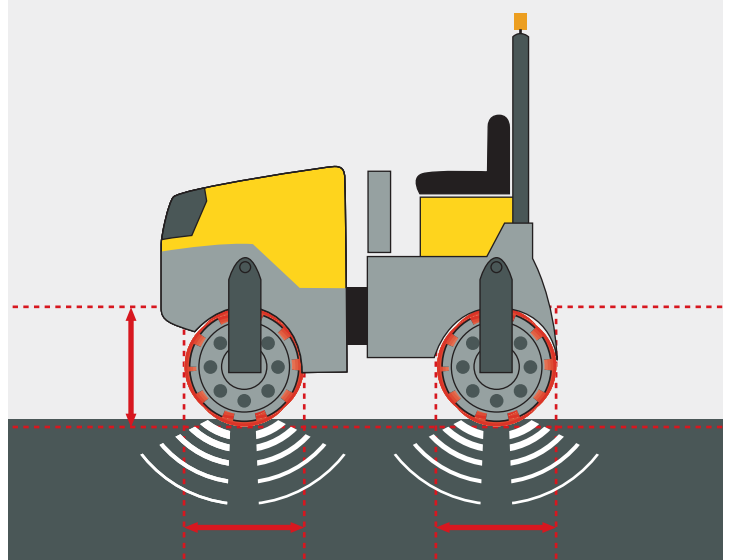


Ideal for all traditional compaction work:

- Asphalt base coat and finish layer
- Concrete base layer compaction
- Parking lots and driveways
- Secondary roads and subdivisions
- Asphalt repair
- Pedestrian walkways

## Oscillation drum

Rollers with an oscillation drum compact with 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.

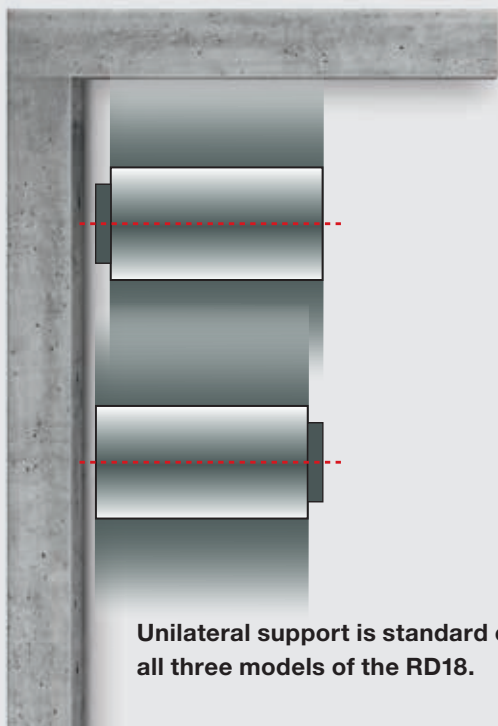


Same application as vibration rollers, plus:

- Dense urban areas with sound restrictions
- Bridge applications with resonant frequency regulations

## Unilateral drum support

With the unilateral drum support, you have curb clearance that allows flush rolling on both sides and you can move the roller directly up to walls or curbs. Re-compaction, is not required.

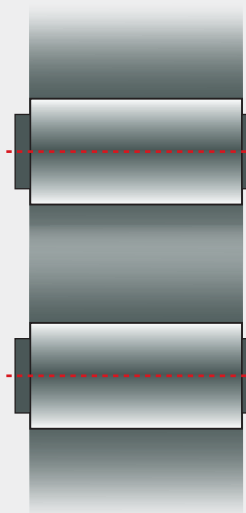


Unilateral support is standard on all three models of the RD18.

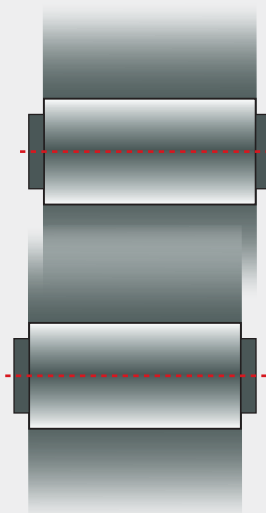
## Drum offset

The drum offset allows for easy maneuvering when compacting along walls. In addition to a reduction in cut marks, drum offset increases productivity, with less asphalt pushing and shoving.

In-line



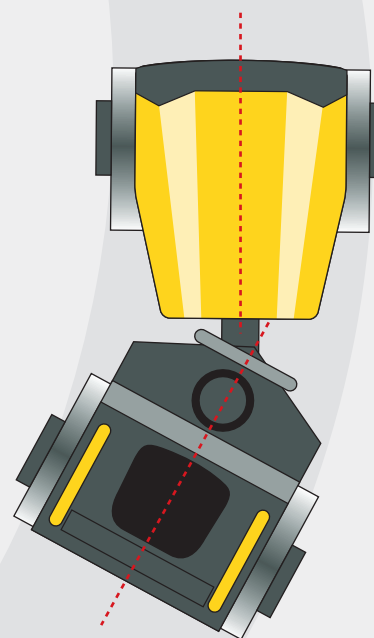
Offset



All Wacker Neuson rollers have adjustable drum offset, except for the RD18-80, which features a standard fixed drum offset.

## Articulated pendulum joint

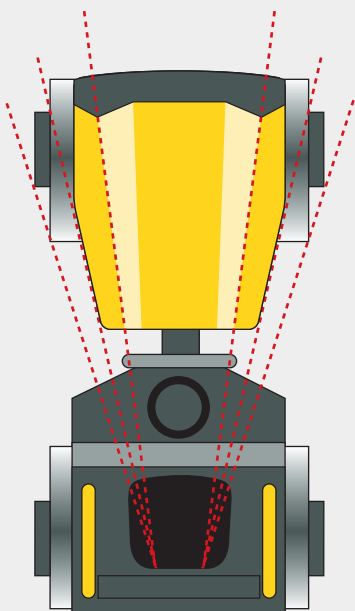
The three-point articulated pendulum joint ensures uniform weight distribution on the front and rear drums at all times. This also improves maneuverability and stability when turning curves.





## Optimal visibility

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.



## ROPS bar

The standard ROPS (Roll Over Protective Structure) can be conveniently folded back for transport.



## Technical data



RD18-80 RD18-100 RD18-100c RD24-100 RD24-100c RD24-100o

TANDUM AND COMBINATION ROLLERS

	UNIT	RD18-80	RD18-100	RD18-100c	RD24-100	RD24-100c	RD24-100o
<b>Max. operating weight</b>	lb (kg)	4,057 (1,840)	4,299 (1,950)	4,035 (1,830)	7,033 (3,190)	6,856 (3,110)	7,143 (3,240)
<b>Operating weight with roll-over protective structure (CECE)</b>	lb (kg)	3,483 (1,580)	3,682 (1,670)	3,594 (1,630)	5,456 (2,475)	5,258 (2,385)	5,567 (2,525)
<b>Max. operating width</b>	in (mm)	33.7 (856)	41.6 (1,056)	39.4 (1,000)	41.3 (1,050)	41.3 (1,050)	41.3 (1,050)
<b>Side clearance</b>	in (mm)				2.2/2.2 (55/55)	2.2/2.2 (55/55)	2.2/2.2 (55/55)
<b>Turning radius (inside)</b>	in (mm)	87.8 (2,230)	83.9 (2,130)	83.9 (2,130)	97.2 (2,470)	97.2 (2,470)	97.2 (2,470)
<b>Drum type in front</b>	-	smooth	smooth	smooth	smooth	smooth	smooth
<b>Drum type in rear</b>	-	smooth	smooth	-	smooth	-	smooth
<b>Tire size in rear</b>	-	-	-	205/60-R15	-	205/60-R15	-
<b>Drive</b>	-	Kubota Diesel 1005, T4F	Kubota Diesel 1005, T4F	Kubota Diesel 1005, T4F	Kubota Diesel 1503, T4F	Kubota Diesel 1503, T4F	Kubota Diesel 1503, T4F
<b>Power output (ISO 14396)</b>	hp (kW)	19.9 (14.8)	19.9 (14.8)	19.9 (14.8)	30.7 (22.9)	30.7 (22.9)	30.7 (22.9)
<b>Fuel tank volume</b>	gal (l)	8.7 (33)	8.7 (33)	8.7 (33)	11.1 (42)	11.1 (42)	11.1 (42)
<b>Infinitely variable speed</b>	mph (km/h)	0 - 6.8 (0 - 11.0)	0 - 6.8 (0 - 11.0)	0 - 6.8 (0 - 11.0)	0 - 7.5 (0 - 12.0)	0 - 6.8 (0 - 11.0)	0 - 7.5 (0 - 12.0)
<b>Gradeability with/without vibration</b>	%	30/40	30/40	30/40	30/40	30/40	30/40
<b>Centrifugal force in front I/II</b>	lbf (kN)	5,620/3,597 (25/16)	5,620/3,597 (25/16)	5,620/3,597 (25/16)	10,340/6,295 (46/28)	10,340/6,295 (46/28)	10,340/6,295 (46/28)
<b>Centrifugal force in rear I/II</b>	lbf (kN)	5,620/3,597 (25/16)	5,620/3,597 (25/16)	-	10,340/6,295 (46/28)	-	-
<b>Water tank volume</b>	gal (l)	18.5 (70)	18.5 (70)	18.5 (70)	47.6 (180)	47.6 (180)	47.6 (180)

## Ergonomic operator platform

With its isolated platform, the roller reduces stress on the operator caused by vibration. Ample legroom and a seat that moves forward as well as side-to-side also provide enhanced comfort.

All rollers from Wacker Neuson have a laterally moving seat, except for the RD18-80.



## Central lifting point

The central lifting point ensures easy lifting and quick transport of the roller.



Central lifting point standard on RD18, RD24 and RD28 models.

RD28-120 RD28-120c RD28-120o RD40-130 RD40-130c RD40-130o RD45-140 RD45-140c RD45-140o

7,518 (3,410)	7,319 (3,320)	7,650 (3,470)	10,847 (4,920)	10,560 (4,790)	11,530 (5,230)	11,684 (5,300)	10,935 (4,960)	12,434 (5,640)
5,942 (2,695)	5,721 (2,595)	6,074 (2,755)	8,741 (3,965)	8,432 (3,825)	8,852 (4,015)	9,579 (4,345)	8,808 (3,995)	9,778 (4,435)
49.2 (1,250)	48.0 (1,220)	49.2 (1,250)	53.2 (1,350)	52.7 (1,338)	53.2 (1,350)	56.3 (1,430)	54.3 (1,380)	56.3 (1,430)
2.2/2.2 (55/55)	2.2/2.2 (55/55)	2.2/2.2 (55/55)	2.5/2.5 (63/63)	2.5/2.5 (63/63)	2.5/2.5 (63/63)	2.5/2.5 (63/63)	2.5/2.5 (63/63)	2.5/2.5 (63/63)
93.3" (2,370)	93.3" (2,370)	93.3" (2,370)	105.9 (2,690)	105.9 (2,690)	105.9 (2,690)	104.3 (2,650)	104.3 (2,650)	104.3 (2,650)
smooth	smooth	smooth	smooth	smooth	smooth	smooth	smooth	smooth
smooth	-	smooth	smooth	-	smooth	smooth	-	smooth
-	205/60-R15	-	-	10.5/80-16	-	-	10.5/80-16	-
Kubota Diesel 1503, T4F	Kubota Diesel 1503, T4F	Kubota Diesel 1503, T4F	Kubota Diesel V2203, T4F	Kubota Diesel V2203, T4F	Kubota Diesel V2203, T4F	Kubota Diesel V2203, T4F	Kubota Diesel V2203, T4F	Kubota Diesel V2203, T4F
30.7 (22.9)	30.7 (22.9)	30.7 (22.9)	46.4 (34.6)	46.4 (34.6)	46.4 (34.6)	46.4 (34.6)	46.4 (34.6)	46.4 (34.6)
11.1 (42)	11.1 (42)	11.1 (42)	19.3 (73)	19.3 (73)	19.3 (73)	19.3 (73)	19.3 (73)	19.3 (73)
0 - 7.5 (0 - 12.0)	0 - 7.5 (0 - 12.0)	0 - 7.5 (0 - 12.0)	0 - 6.8 (0 - 11.0)	0 - 6.8 (0 - 11.0)	0 - 6.8 (0 - 11.0)	0 - 6.8 (0 - 11.0)	0 - 6.8 (0 - 11.0)	0 - 6.8 (0 - 11.0)
30/40	30/40	30/40	30/40	30/40	30/40	30/40	30/40	30/40
11,690/7,194 (52/32)	11,690/7,194 (52/32)	11,690/7,194 (52/32)	14,390/8,768 (64/39)	14,390/8,768 (64/39)	14,390/8,768 (64/39)	14,390/8,768 (64/39)	14,390/8,768 (64/39)	14,390/8,768 (64/39)
11,690/7,194 (52/32)	-	-	14,390/8,768 (64/39)	-	-	14,390/8,768 (64/39)	-	-
47.6 (180)	47.6 (180)	47.6 (180)	75.3 (285)	75.3 (285)	75.3 (285)	75.3 (285)	75.3 (285)	75.3 (285)

## The rollers you need from an industry expert.



**WACKER  
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*all it takes!*

A respected leader in the field of light compaction, Wacker Neuson offers a finely tiered line of tandem and combination rollers that includes operating weights from 1.6 to 4.5 tons. Designed to increase productivity, while offering operator comfort and convenience, these rollers feature maneuverability, safety, optional configurations and a Tier 4 Final Kubota engine. Easy to maintain and intuitive to operate, our tandem and combination rollers deliver quality results day after day in demanding conditions. They are built to deliver for the performance and reliability you expect from Wacker Neuson.

And because the products in our portfolio are only as good as the service, technical support and training behind them, Wacker Neuson and our network of dealers provide everything you need to keep running at peak performance. Ask about our warranty programs, genuine parts, expert training or visit us online for more information.



*Wacker Neuson is a global equipment manufacturer for the construction, agriculture, oil and gas, landscape, utilities and municipal industries. Our comprehensive portfolio stands firmly on outstanding reliability, innovative technology, personal service and close customer contact. In the United States and Canada, Wacker Neuson's full line of products are sold and rented by a network of over 4,000 dealers and supported by an industry leading team of factory trained sales, application and service personnel.*

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