



## RD18

Tandem Rollers

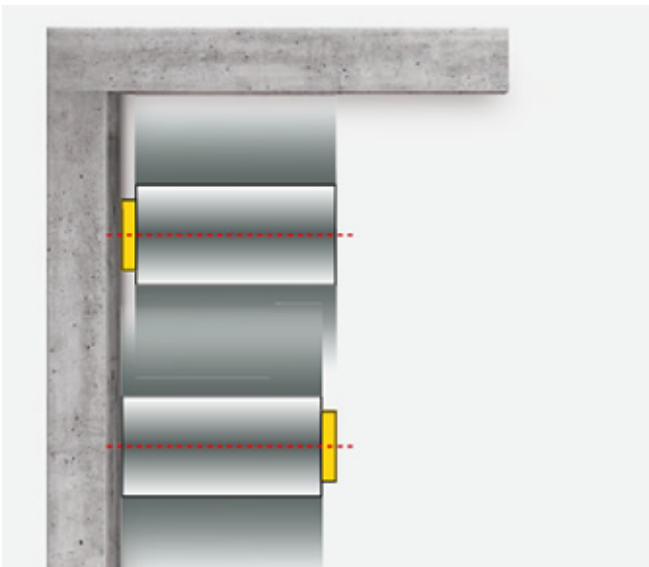


### Compact, maneuverable and powerful

The RD18 articulated ride-on rollers offer a large drum diameter combined with the low machine center of gravity to ensure excellent compaction quality. The three-point articulated joint offers constant surface contact for better results, safety and a smoother ride. Unilateral drum support allows for up to the edge compaction on both sides.

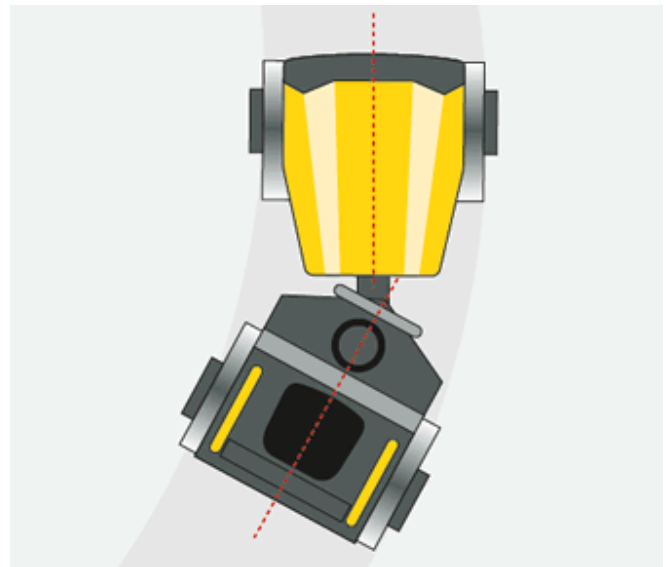
- Dual drum vibration with high and low settings
- Maneuverable compact roller for superior compaction for a variety of applications
- Tapered design allows for excellent drum visibility
- Three-point articulated pendulum joint ensures uniform weight distribution for excellent compaction results, maneuverability and stability
- Available as a dual drum roller or a combination roller with front drum vibration and rear pneumatic tires

### Unilateral drum support

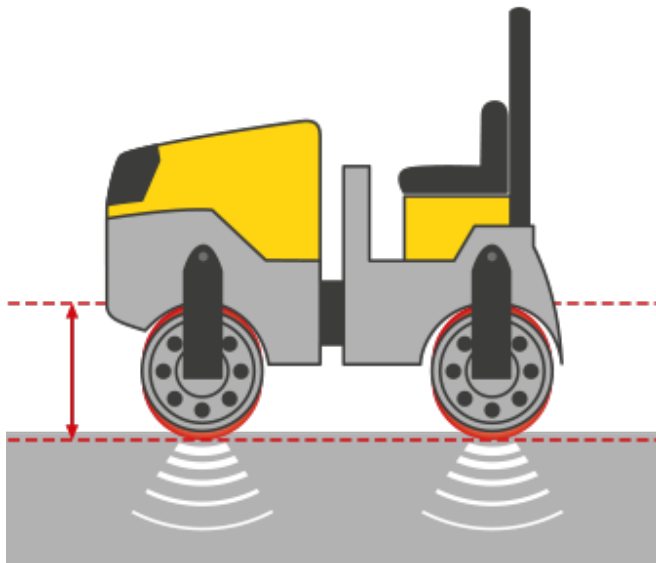


**Excellent compaction performance right up to the edge:** With the unilateral drum support, you have curb clearance that allows flush rolling on both sides and you can move the roller directly up to walls or curbs. Re-compaction is not required. **Only available for the models RD18-100 and RD18-100C.**

### Articulated pendulum joint



**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 tipping safety and stability when turning curves.



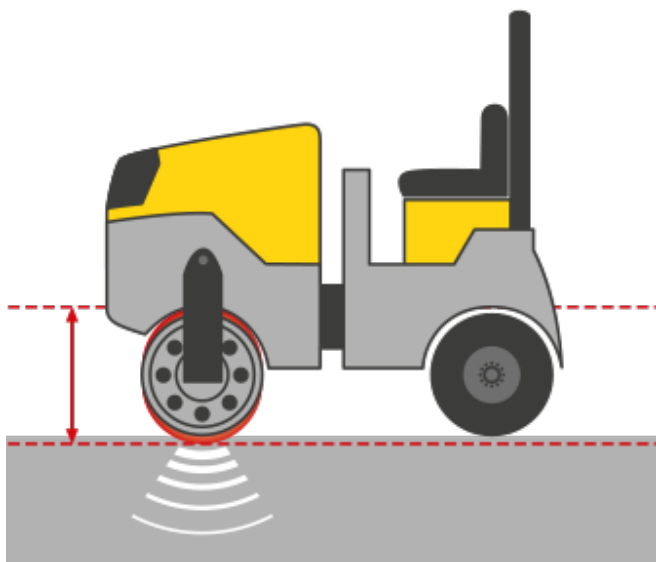
Tandem-axle roller

**Front and rear with vibration drums.**

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

**Suitable for:**

All traditional compaction work



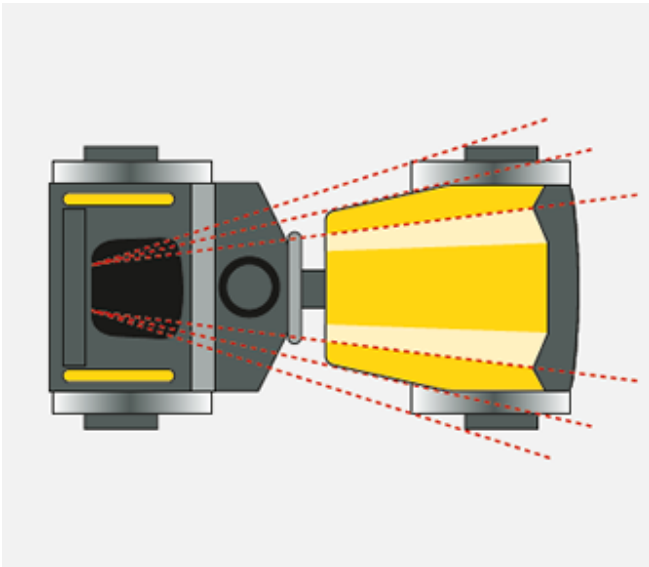
Combination roller

**Vibration drum in the front, tires in the rear.**

Even with the combination rollers, the forces are directed vertically downwards. The advantage over tandem-axle rollers are the tires. That is why combination rollers always have very good traction on gradients.

**Suitable for:**

Compaction work on gradients and in uneven ground conditions



#### 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.



#### Working area in view

The tapered design of the rollers gives you a good view of the drum edges or the machine environment.



#### Finely tiered selection of models

Tandem-axle rollers with vibration or oscillation drums as well as combination rollers in various weight classes: At Wacker Neuson, you will find exactly the model that you need for your project.



#### Excellent compaction performance

Regardless of which of our rollers you choose – you will be excited about the compaction performance.



#### Excellent driving stability

Whether on rough terrain or when turning a curve – with the three-point articulated pendulum joint, you are always safely on the move.



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*all it takes!*



#### **iF Design Award 2016**

The tandem roller series RD won the iF Design Award 2016 in the product category. The RD series convinced above all by the clearly structured operating elements and the intuitive handling, which is supported by the design.



Technical specifications

|   | RD18-80                  | RD18-100                 | RD18-100C                |
|---|--------------------------|--------------------------|--------------------------|
| <b>Operating data</b>                                   |                          |                          |                          |
| Operating weight with roll-over protective structure lb | 3,483.3                  | 3,681.7                  | 3,593.5                  |
| Operating weight max. lb                                | 4,056.5                  | 4,299                    | 4,034.4                  |
| L x W x H in  | 89 x 33.7 x 87           | 89 x 41.6 x 87           | 89 x 40.9 x 87           |
| Drum width in   | 31.5                     | 39.4                     | 39.4                     |
| Drum diameter in  | 24.4                     | 24.4                     | 24.4                     |
| Operating width in                                      | 33.7                     | 41.6                     | 39.4                     |
| Ground clearance Middle in                              | 9.1                      | 9.1                      | 9.5                      |
| Drum type Front   | smooth/undivided         | smooth/undivided         | smooth/undivided         |
| Drum type Rear  | smooth/undivided         | smooth/undivided         | Tires                    |
| Axle load Front lb                                      | 1,686.5                  | 1,796.7                  | 1,774.7                  |
| Axle load Rear lb                                       | 1,796.7                  | 1,884.9                  | 1,818.8                  |
| Centrifugal force Level I lbf                           | 5,620.2                  | 5,620.2                  | 5,620.2                  |
| Centrifugal force Level II lbf                          | 3,596.9                  | 3,596.9                  | 3,596.9                  |
| Frequency Level I Vpm                                   | 3,900                    | 3,900                    | 3,900                    |
| Frequency Level II Vpm                                  | 3,120                    | 3,120                    | 3,120                    |
| Amplitude in  | 0.02                     | 0.02                     | 0.02                     |
| Linear force static (front) lb/in                       | 54.82                    | 46.25                    | 45.11                    |
| Linear force static (rear) lb/in                        | 58.24                    | 49.11                    |                          |
| Advance travel max ft/min                               | 600.2                    | 600.2                    | 600.2                    |
| Gradeability with vibration %                           | 30                       | 30                       | 30                       |
| Gradeability without vibration %                        | 40                       | 40                       | 40                       |
| Turning radius inside in                                | 87.9                     | 83.9                     | 83.9                     |
| <b>Engine / Motor</b>                                   |                          |                          |                          |
| Engine / Motor type                                     | 3-cylinder diesel engine | 3-cylinder diesel engine | 3-cylinder diesel engine |
| Engine / Motor manufacturer                             | Kubota                   | Kubota                   | Kubota                   |
| Engine performance ISO 14396 kW                         | 14.8                     | 14.8                     | 14.8                     |
| Tank capacity Fuel US gal                               | 8.58                     | 8.58                     | 8.58                     |
| Tank capacity Water US gal                              | 18.49                    | 18.49                    | 18.49                    |



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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.

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