





## Powerful and versatile

The rollers of the RD45 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 RD45 rollers can be used in a variety of ways. Due to the oscillating drum that exists with the RD45-1400 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









## **RD45 Technical specifications**

Operating data         A,345         3,995         4,435           Operating weight with ROPS kg         4,345         3,995         4,435           Operating weight max. kg         5,300         4,960         5,840           L x W x H mm         2,960 x 1,506 x 2,590         2,860 x 1,506 x 2,590         2,860 x 1,506 x 2,590           Drum width mm         1,380         1,380         1,380           Drum diameter mm         900         900         900           Operating width mm         1,430         1,380         1,430           Ground clearance middle mm         305         305         305           Brun type front         smooth / undivided         smooth / undivided         smooth / undivided           Drum type rear         smooth / undivided         Tires         smooth / undivided           Axie load front kg         2,176         2,175         2,175           Axie load front kg         2,170         1,820         2,260           Curb clearence mm         63         63         63           Curb clearence mm         63         64         64           Centrifugal force level I lkN         64         64         64           Centrifugal force level I lkY         39         39	
Operating weight max. kg         5,300         4,960         5,640           L x W x H mm         2,860 x 1,506 x 2,590         2,860 x 1,506 x 2,590         2,860 x 1,506 x 2,590           Drum width mm         1,380         1,380         1,380           Drum diameter mm         900         900         900           Operating width mm         1,430         1,380         1,430           Ground clearance middle mm         305         305         305           Drum type front         smooth / undivided         smooth / undivided         smooth / undivided           Drum type rear         smooth / undivided         smooth / undivided         smooth / undivided           Axle load front kg         2,175         2,175         2,175           Axle load front kg         2,170         1,820         2,260           Curb clearance mm         63         63         63           Gentrifugal force level I kN         64         64         64           Centrifugal force level I kN         39         39         39           Frequency level II Hz         60         60         60           Frequency level I II Hz         51         51         51           Amplitude level II mm         0.51         0.51	
L x W x H mm         2,860 x 1,506 x 2,590         2,860 x 1,506 x 2,590         2,860 x 1,506 x 2,590           Drum width mm         1,380         1,380         1,380           Drum diameter mm         900         900         900           Operating width mm         1,430         1,380         1,430           Ground clearance middle mm         305         305         305           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         2,175           Axle load rear kg         2,170         1,820         2,260           Curb clearance mm         63         63         63           Centrifugal force level I kN         64         64         64           Centrifugal force level I kN         69         60         60           Frequency level II Hz         60         60         60           Frequency level II Hz         51         51         51           Amplitude level I mm         0.51         0.51         0.51           Amplitude level I Hz         30         30	
Drum width mm         1,380         1,380         1,380           Drum diameter mm         900         900         900           Operating width mm         1,430         1,380         1,430           Ground clearance middle mm         305         305         305           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           Curb clearance mm         63         63         63           Centrifugal force level I kN         64         64         64           Centrifugal force level II kN         39         39         39           Frequency level II Hz         51         51         51           Amplitude level I mm         0.51         0.51         0.51           Amplitude level I lm         0.31         0.31         0.31           Oscillation frequency level II Hz         30         30           Tangential amplitude mm         1.37         1.58 / 0         1.58 / 16.5           Oscillati	
Drum diameter mm         900         900         900           Operating width mm         1,430         1,380         1,430           Ground clearance middle mm         305         305         305           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           Curb clearance mm         63         63         63           Centrifugal force level II kN         64         64         64           Centrifugal force level II kN         39         39         39           Frequency level I Hz         60         60         60           Frequency level I Hz         51         51         51           Amplitude level I mm         0.51         0.51         0.51           Oscillation frequency level I Hz         39         39           Oscillation frequency level I Hz         30         1.37           Oscillation force level I kN         72         72           Oscillation force level I kN         43	)
Operating width mm         1,430         1,380         1,430           Ground clearance middle mm         305         305         305           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         2,175           Axle load rear kg         2,170         1,820         2,260           Curb clearance mm         63         63         63           Centrifugal force level II kN         64         64         64           Centrifugal force level II kN         39         39         39           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 I lm         0.31         0.31         0.31           Oscillation frequency level II Hz         30         1.37           Oscillation force level I kN         43         1.37           Oscillation force level I kN         43         1.58 / 16.5           Advance travel ma	
Ground clearance middle mm         305         305         305           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         2,175           Axle load rear kg         2,170         1,820         2,260           Curb clearance mm         63         63         63           Centrifugal force level II kN         64         64         64           Centrifugal force level II kN         39         39         39           Frequency level I Hz         60         60         60           Frequency level II Hz         51         51         51           Amplitude level II mm         0.51         0.51         0.51           Amplitude level II mm         0.31         0.31         0.31           Oscillation frequency level II Hz         39         39           Tangential amplitude mm         1.37         1.37           Oscillation force level II kN         43         1.37           Oscillation force level II kN         43         1.5.8 / 16.5           Advance travel max. m/min	
Drumt 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           Curb clearance mm         63         63         63           Centrifugal force level I kN         64         64         64           Centrifugal force level II kN         39         39         39           Frequency level II Hz         60         60         60         60           Frequency level II Hz         51         51         51         51           Amplitude level II mm         0.51         0.51         0.51         0.51           Amplitude level II mm         0.31         0.31         0.31         0.31           Oscillation frequency level II Hz         30         1.37         1.37           Oscillation force level II kN         43         1.37         1.58 / 16.5           Oscillation force level II kN         15.8 / 15.7         15.8 / 0         15.8 / 16.5           Advance travel max. m/min         183         183         183	
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           Curb clearance mm         63         63         63           Centrifugal force level I kN         64         64         64           Centrifugal force level II kN         39         39         39           Frequency level I Hz         60         60         60           Frequency level I 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         39         39         39           Oscillation frequency level I Hz         30         1.37         30           Tangential amplitude mm         1.37         1.37         2           Oscillation force level I lkN         43         43           Linear force - front / rear static N/mm         15.8 / 15.7         15.8 / 0         15.8 / 16.5           Advance travel max. m/min         183         183         183           Gradeabili	
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Axle load rear kg 2,170 1,820 2,260 Curb clearance mm 63 63 63 63 Centrifugal force level I kN 64 64 64 64 Centrifugal force level II kN 39 39 39 39 Frequency level I Hz 60 60 60 60 Frequency level II Hz 51 51 51 51 51 61 Amplitude level I mm 0.51 0.51 0.51 0.51 0.51 0.51 0.51 Oscillation frequency level I Hz 39 Oscillation frequency level II Hz 30 Tangential amplitude mm 1.37 Oscillation force level I kN 72 Oscillation force level I kN 43 Linear force - front / rear static N/mm 15.8 / 15.7 15.8 / 0 15.8 / 16.5 Advance travel max. m/min 183 183 183 Gradeability with vibration % 40 40 40 Turning radius inside mm 2,650 2,650 2,650	
Curb clearance mm  63 63 63 63 63 64 64 64 64 66 66 Centrifugal force level I kN 39 39 39 Frequency level I Hz 60 60 60 60 Frequency level II Hz 51 51 51 51 51 60 60 60 Frequency level I I mm 0.51 0.51 0.51 0.51 0.51 0.51 0.51 0.51	
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Centrifugal force level II kN 39 39 39 39  Frequency level I Hz 60 60 60 60  Frequency level II Hz 51 51 51 51  Amplitude level I mm 0.51 0.51 0.51 0.51  Amplitude level I mm 0.31 0.31 0.31 0.31  Oscillation frequency level I Hz 39  Oscillation frequency level II Hz 30  Tangential amplitude mm 1.37  Oscillation force level I kN 72  Oscillation force level II kN 15.8 / 15.7 15.8 / 0 15.8 / 16.5  Advance travel max. m/min 183 183 183  Gradeability with vibration % 30 30 30  Gradeability without vibration % 40 40  Turning radius inside mm 2,650 2,650 2,650	
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Frequency level II Hz 51 51 51 51 51 51 51 Amplitude level I mm 0.51 0.51 0.51 0.51 0.51 0.51 0.31 0.31 0.31 0.31 0.31 0.31 0.31 0.3	
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Amplitude level II mm  O.31  Oscillation frequency level I Hz  Oscillation frequency level II Hz  Tangential amplitude mm  Oscillation force level I kN  Oscillation force level I kN  Tocollation force level II kN  I 15.8 / 15.7  Advance travel max. m/min  I 183  I 183  I 183  Gradeability with vibration %  Gradeability without vibration %  40  40  40  40  40  40  40  40  40  4	
Oscillation frequency level I Hz       39         Oscillation frequency level II Hz       30         Tangential amplitude mm       1.37         Oscillation force level I kN       72         Oscillation force level II kN       43         Linear force - front / rear static N/mm       15.8 / 15.7       15.8 / 0       15.8 / 16.5         Advance travel max. m/min       183       183       183         Gradeability with vibration %       30       30       30         Gradeability without vibration %       40       40       40         Turning radius inside mm       2,650       2,650       2,650	
Oscillation frequency level II Hz  Tangential amplitude mm  1.37  Oscillation force level I kN  72  Oscillation force level II kN  43  Linear force - front / rear static N/mm  15.8 / 15.7  15.8 / 0  15.8 / 16.5  Advance travel max. m/min  183  183  183  Gradeability with vibration %  30  30  30  30  30  40  40  40  Turning radius inside mm  2,650  2,650	
Tangential amplitude mm  1.37  Oscillation force level I kN  72  Oscillation force level II kN  43  Linear force - front / rear static N/mm  15.8 / 15.7  15.8 / 0  15.8 / 16.5  Advance travel max. m/min  183  183  Gradeability with vibration %  30  30  30  Gradeability without vibration %  40  40  Turning radius inside mm  2,650  2,650	
Oscillation force level I kN       72         Oscillation force level II kN       43         Linear force - front / rear static N/mm       15.8 / 15.7       15.8 / 0       15.8 / 16.5         Advance travel max. m/min       183       183       183         Gradeability with vibration %       30       30       30         Gradeability without vibration %       40       40       40         Turning radius inside mm       2,650       2,650       2,650	
Oscillation force level II kN       43         Linear force - front / rear static N/mm       15.8 / 15.7       15.8 / 0       15.8 / 16.5         Advance travel max. m/min       183       183       183         Gradeability with vibration %       30       30       30         Gradeability without vibration %       40       40       40         Turning radius inside mm       2,650       2,650       2,650	
Linear force - front / rear static N/mm       15.8 / 15.7       15.8 / 0       15.8 / 16.5         Advance travel max. m/min       183       183       183         Gradeability with vibration %       30       30       30         Gradeability without vibration %       40       40       40         Turning radius inside mm       2,650       2,650       2,650	
Advance travel max. m/min       183       183       183         Gradeability with vibration %       30       30       30         Gradeability without vibration %       40       40       40         Turning radius inside mm       2,650       2,650       2,650	
Gradeability with vibration %       30       30       30         Gradeability without vibration %       40       40       40         Turning radius inside mm       2,650       2,650       2,650	
Gradeability without vibration % 40 40 40 Turning radius inside mm 2,650 2,650 2,650	
Turning radius inside mm 2,650 2,650 2,650	
Engine / Motor	
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Engine / Motor type 4-cylinder diesel engine 4-cylinder diesel engine 4-cylinder diesel engine	ne
Engine / Motor manufacturer Kubota V2403-CR Kubota V2403-CR Kubota V2403-CR	
Engine performance ISO 14396 kW 37.4 37.4 37.4	
Filling capacities	
Tank capacity fuel I 73 73 73	
Tank capacity water I 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. Copyright © 2019 Wacker Neuson SE.







