WACKER NEUSON
all it takes!

RD18
Tandem Roller

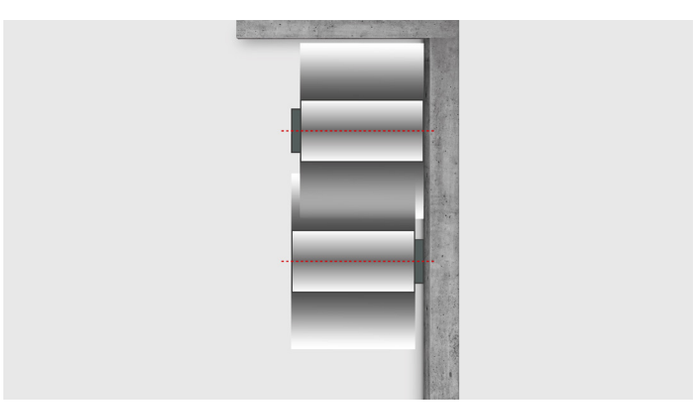
Compact and manoeuvrable

The RD18 is a compact and particularly manoeuvrable roller in the 1.8-t class. The 3-point articulated joint, combined with a large drum diameter, delivers even compaction performance and a high-quality asphalt surface. The user benefits from a comfortable work platform and intuitive operation. A feature of the RD18 is the one-sided drum lifting point with drums offset, which makes precise compaction possible very close to edges and walls on both sides.

Ergonomic work platform

The ergonomic work platform is designed for reduced vibration. The low vibration, easy access and operability of all control elements increase working comfort, operator satisfaction and operator health.

One-sided drum fastening with drum offset



The one-sided fastening with simultaneous drum offset offers complete curb clearance (no overhang on either side). The roller can approach and compact up to the edge on both sides, even when confronted with high walls. The drum offset allows for crab steering and easy manoeuvring, e.g. driving away from long walls. This makes quick and efficient work possible.

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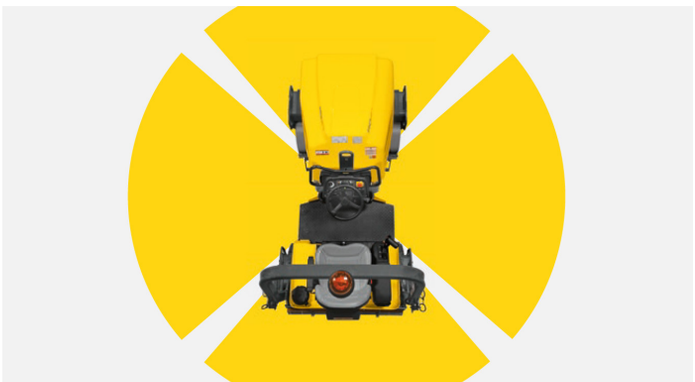
Uniformed operating concept

All RD and RC rollers have the same simple operating concept. This offers advantages for rental customers, as long instruction and incorporation into work are not necessary.



Large line-of-sight, compact construction

The compact design provides an excellent view of the drums. This makes manoeuvring and approaching walls and obstacles easier.

Technical Information

	Units	RD18
Mechanical - Output Details		
Gradeability		30%
Gradeability max. (without vibration)		40%
Travel speed	km/h	0.0 - 11
Static linear load (front)	m*r	0.82
Linear load with vibration Level I (rear)	m*r	3.01
Linear load with vibration Level II (rear)	m*r	2.29
Compaction force Level I (front)	kN	29
Compaction force Level II (front)	kN	22
Compaction force I (rear)	kN	29
Compaction force II (rear)	kN	22
Vibration frequency Level I (front)	Hz	61.0
Vibration frequency Level II (front)	Hz	48.0
Vibration frequency Level I (rear)	Hz	61.0
Vibration frequency Level II (rear)	Hz	48.0
Amplitude Level I (front)	mm	0.3800
Amplitude Level II (front)	mm	0.3800
Amplitude Level II (rear)	mm	0.3800
Centrifugal force Level I (front)	kN	17
Centrifugal force Level I (rear)	kN	17
Mechanical Details		
Length	mm	2,295
Width	mm	1,056
Operating weight	kg	1,680
Dry Weight	kg	1,540
Gross vehicular weight	kg	1,720
Operating width	mm	1,056
Ground clearance Middle	mm	230
Turning radius inside	mm	2,130

	Units	RD18
Operating weight with roll-over protective structure	kg	1,680
Wheelbase	mm	1,560
Operating weight, max	kg	1,780
Empty weight with ROPS	kg	1,540
Turning radius outside	mm	3,165
Drum width	mm	1,000
Drum diameter	mm	620
Drum thickness (front)	mm	12
Engine		
Cylinder capacity	cm3	1,123
Effective power	KW	16.3
Nominal engine speed	kg/m2s	2,600
Standard (Effective power)		ISO 14396
Starter battery Voltage	V	12%
Battery capacity (nom. value)	cos ϕ	70
Manufacturer		Kubota
Environment Data		
Sound level LpA	kg/m	84
Sound power LWA, measured	kg/m	103
Sound power LWA, guaranteed	kg/m	104
Exhaust aftertreatment		no
Catalyst		no
Particle filter		no
CO2 (NRSC)	g/km	1,018
Operating Fluids		
Water tank capacity	l	70
Fuel Tank capacity	l	33
Chassis		
Pendulum angle +/-	°	8