



**WACKER
NEUSON**
all it takes!

RD27

Tandem roller



5 years /
5,000 hours
warranty

Convenient and efficient

The RD27 is the compact and versatile for every construction site. With its three-point articulated pendulum joint, the roller achieves a consistently even weight distribution with optimum manoeuvrability and travel stability. As a result, excellent, high quality asphalt surfaces can be achieved. The user benefits from intuitive operation as well as the comprehensive view of the compaction area. Because of its compact dimensions, the RD27 is an excellent choice for use in confined areas.

Ergonomic work platform

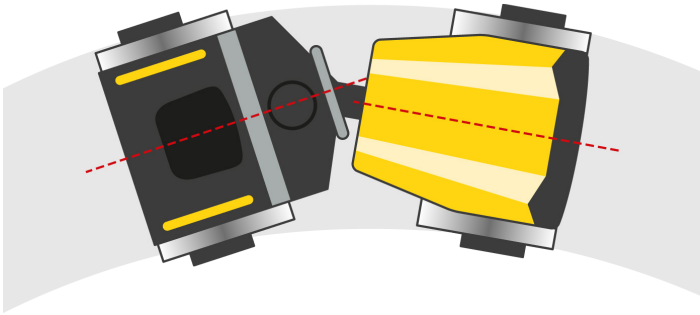


The ergonomic work platform is designed for reduced vibration. The low vibration, easy access and operability of all control elements increase working comfort, operator health and satisfaction.

Uniform operating concept

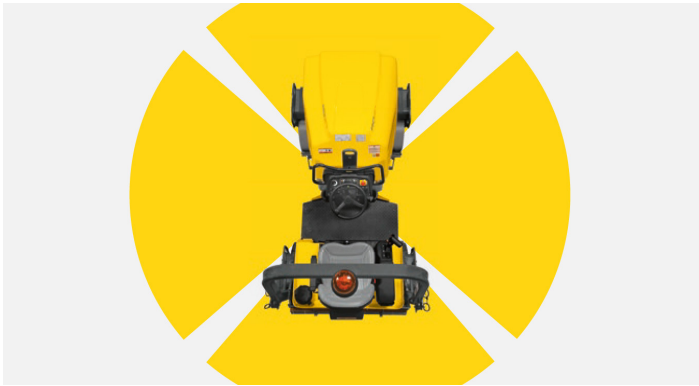


All RD and RC rollers have the same simple operating concept. This offers advantages for rental customers, as long instruction and incorporation into work are not necessary.



Three-point articulated pendulum joint

The three-point articulated pendulum joint results in an even distribution of the weight on the front and rear drums/tires.



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	RD27
Mechanical - Output Details		
Gradeability		30%
Gradeability max. (without vibration)		40%
Travel speed	km/h	0.0 - 12
Static linear load (front)	kg/mm	1.11
Linear load with vibration Level I (rear)	kg/mm	4.62
Linear load with vibration Level II (rear)	kg/mm	3.26
Compaction force Level I (front)	kN	54
Compaction force Level II (front)	kN	38
Compaction force I (rear)	kN	54
Compaction force II (rear)	kN	38
Vibration frequency Level I (front)	Hz	65.0
Vibration frequency Level II (front)	Hz	51.0
Vibration frequency Level I (rear)	Hz	65.0
Vibration frequency Level II (rear)	Hz	51.0
Amplitude Level I (front)	mm	0.4500
Amplitude Level II (front)	mm	0.4500
Amplitude Level II (rear)	mm	0.4500
Centrifugal force Level I (front)	kN	49
Centrifugal force Level I (rear)	kN	49
Mechanical Details		
Length	mm	2,530
Width	mm	1,310
Height	mm	1,752
Operating weight	kg	2,695
Dry Weight	kg	2,510
Gross vehicular weight	kg	2,810
Curb clearance right and left	mm	55
Operating width	mm	1,200
Ground clearance Middle	mm	280
Turning radius inside	mm	2,370
Operating weight with roll-over protective structure	kg	2,695

	Units	RD27
Wheelbase	mm	1,700
Operating weight, max	kg	3,410
Curb clearance left and right	mm	570
Empty weight with ROPS	kg	2,510
Turning radius outside	mm	3,570
Drum width	mm	1,200
Drum diameter	mm	720
Drum thickness	mm	15
Engine		
Cylinder capacity	cm3	1,499
Effective power	KW	22.9
Nominal engine speed	1/min	2,700
Standard (Effective power)		ISO 14396
Starter battery Voltage	V	12
Battery capacity (nom. value)	Ah	70
Manufacturer		Kubota
Engine designation		D1503
Environment Data		
Sound level LpA	dB(A)	90
Sound power LWA, measured	dB(A)	104
Sound power LWA, guaranteed	dB(A)	106
Exhaust aftertreatment		no
Catalyst		no
Particle filter		no
CO (NRSC)	g/KWh	1.0
CO2 (NRSC)	g/KWh	797
HC + NOx (NRSC)	g/KWh	6.6
PM (NRSC)	g/KWh	0.4
Operating Fluids		
Water tank capacity	l	180
Fuel Tank capacity	l	42
Chassis		
Pendulum angle +/-	°	8