



Technical specification

Cold Recycler and Soil Stabilizer WR series

WR 200 | WR 200i | WR 240 | WR 240i | WR 250



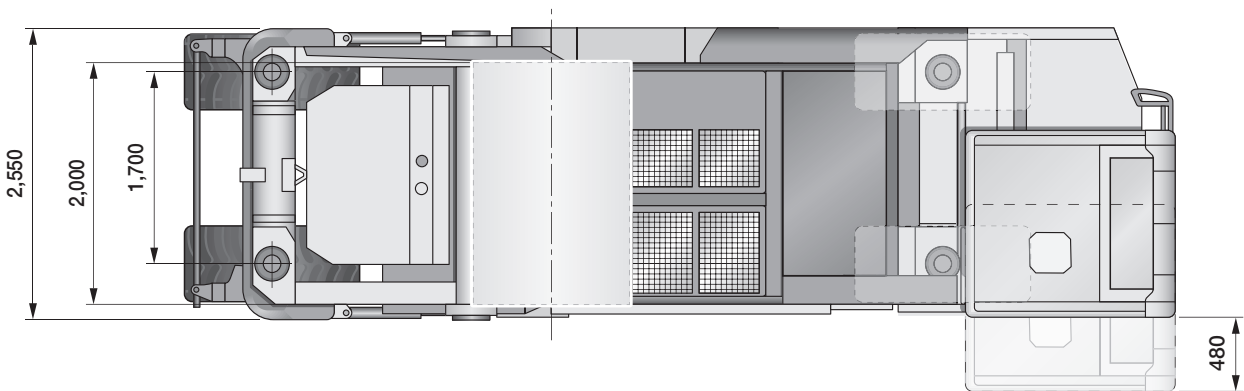
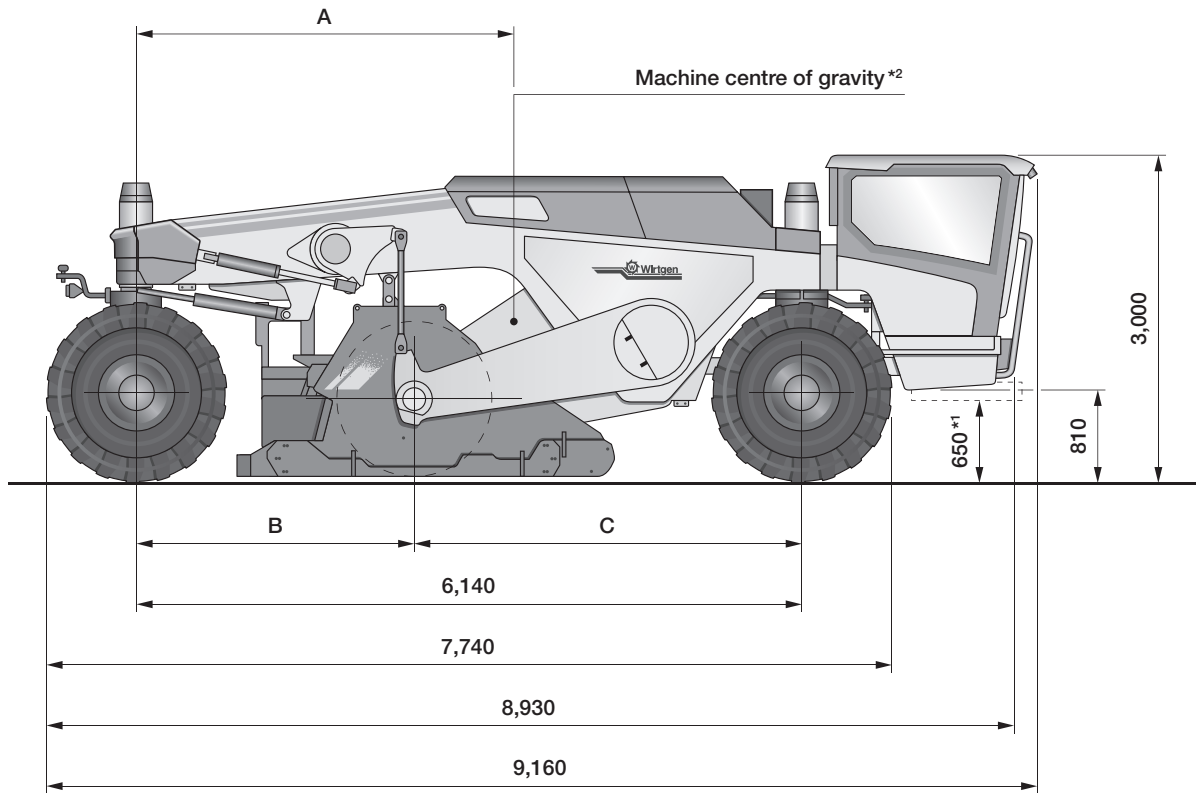
Technical specification

	Cold recycler and soil stabilizer	
	WR 200	WR 200i
Working width	2,000 mm	
Working depth*	0–500 mm	
Milling and mixing rotor		
Tool spacing	20 mm	
Number of tools	150	
Drum diameter with tools	1,480 mm	
Engine		
Manufacturer	Mercedes Benz	Mercedes Benz / MTU
Type	OM 460 LA	OM 470 LA / 6R 1100
Number of cylinders	6	
Power	at 2,000 min ⁻¹ : 305 kW/409 HP/415 PS	at 1,900 min ⁻¹ : 308 kW/412 HP/418 PS
Maximum power	at 1,800 min ⁻¹ : 315 kW/422 HP/428 PS	at 1,700 min ⁻¹ : 320 kW/429 HP/435 PS
Displacement	12.8 l	10.7 l
Fuel consumption	80 l/h	75 l/h
Fuel consumption in field mix	39 l/h	35 l/h
Emission standards	EC Stage 3a/US Tier 3	EC Stage 4/US Tier 4f
Electrical system	24 V	
Filling capacities		
Fuel tank	830 l	
Fuel tank when fitted with “S-Pack” option	–	
AdBlue®/DEF tank	–	80 l
Hydraulic oil tank	200 l	
Binder container	–	
Water tank	380 l	
Additional water tank	–	
Driving properties		
Working speed in milling and travel gear	0–210 m/min (12.6 km/h)	
Lateral inclination, max.	8°	
Ground clearance	approx. 400 mm	
Tyres		
Tyre size, front/rear	620/75 R26	
Shipping dimensions		
Dimensions for truck transport (L x W x H)	9,160 x 2,550 x 3,000 mm	
Dimensions for truck transport when fitted with “S-Pack” option (L x W x H)	–	

*1 = The maximum working depth may deviate from the value indicated due to tolerances and wear

Cold recycler and soil stabilizer		
WR 240	WR 240i	WR 250
2,400 mm	2,400 mm	2,400 mm
0–510 mm		0–560 mm
20 mm		30x2 mm
170		208
1,480 mm		1,480 mm
Cummins		Caterpillar
QSX 15		C18 ATAAC
6		6
at 2,100 min ⁻¹ : 447 kW/600 HP/608 PS		at 2,100 min ⁻¹ : 571 kW/766 HP/777 PS
at 1,900 min ⁻¹ : 455 kW/610 HP/619 PS		at 1,800 min ⁻¹ : 571 kW/766 HP/777 PS
15.0 l	14.9 l	18.1 l
120 l/h	115 l/h	142 l/h
60 l/h	55 l/h	70 l/h
EC Stage 3a/US Tier 3	EC Stage 4/US Tier 4f	no EC regulation/US Tier 2
	24 V	
1,500 l	1,380 l	1,500 l
1,300 l	1,180 l	1,300 l
–	100 l	–
	320 l	
	5.5 m ³	
	500 l	
	950 l	
	0–210 m/min (12.6 km/h)	
	8°	
	approx. 400 mm	
	28L-26	
	9,230 x 3,000 x 3,000 mm	
	9,680 x 3,000 x 3,080 mm	

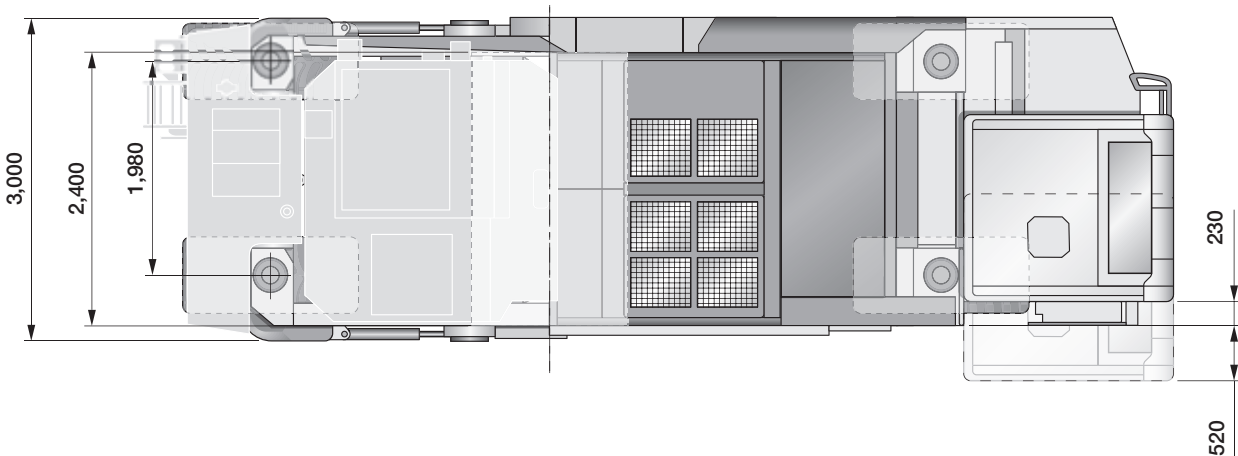
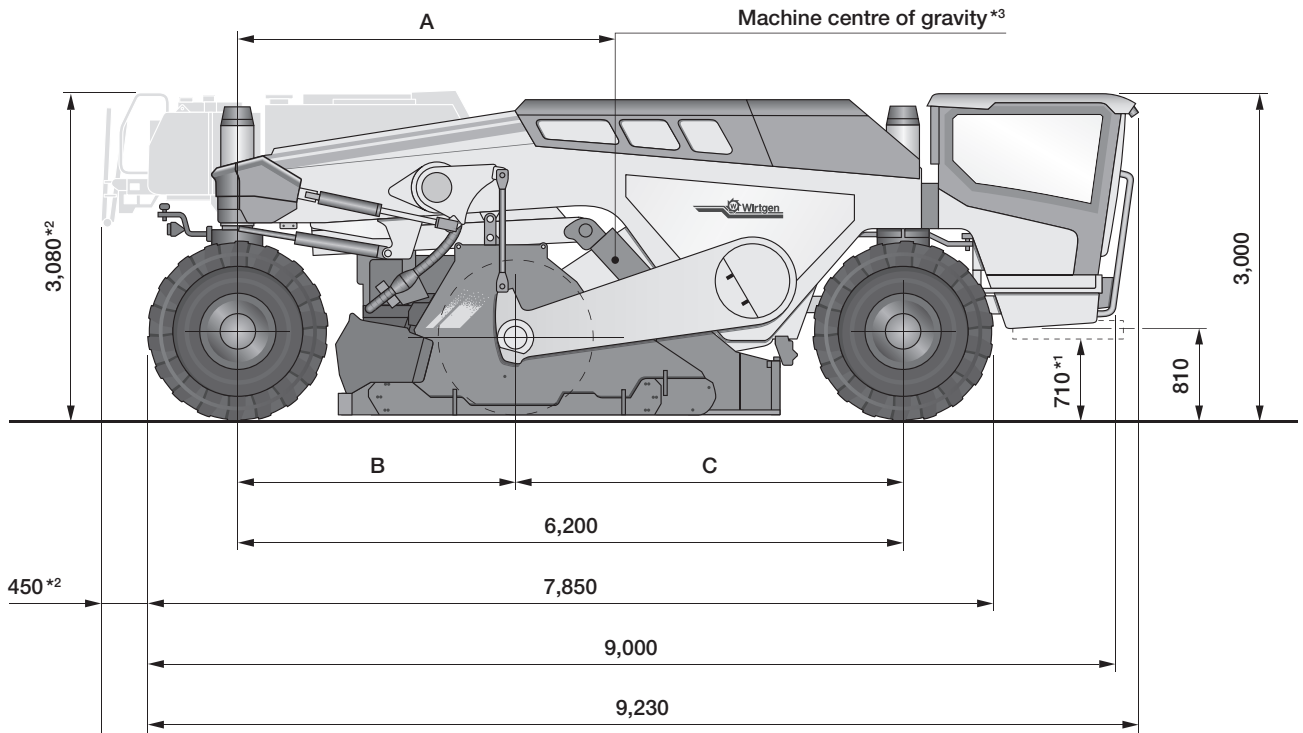
Cold recycler and soil stabilizer WR 200/WR 200i
 Dimensions in mm



*1 = Including injection system
 *2 = Based on operating weight, CE

	A	B	C
WR 200/WR 200i	3,470	2,540	3,600

Cold recycler and soil stabilizer WR 240/WR 240i and WR 250
 Dimensions in mm



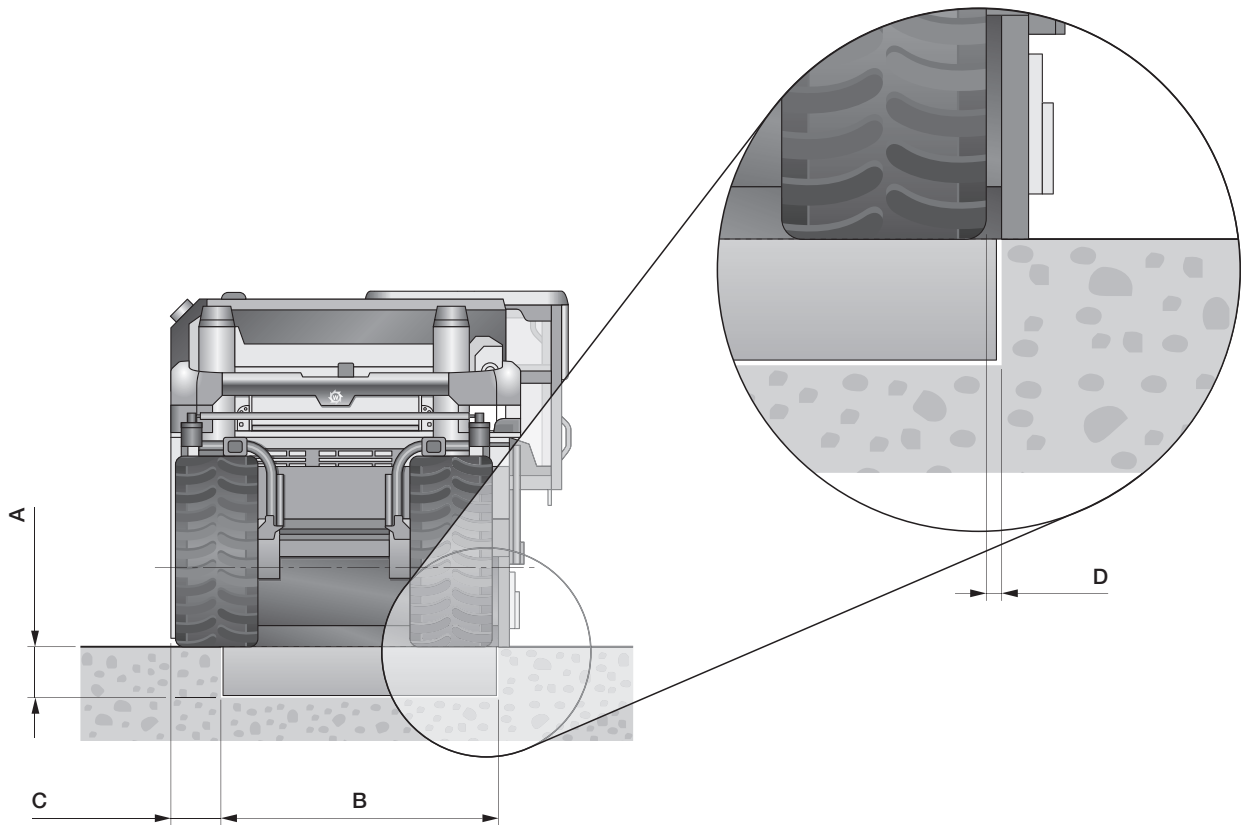
- *1 = Including injection system
- *2 = Including "S-Pack"
- *3 = Based on operating weight, CE

	A	B	C
WR 240/WR 240i	3,550	2,600	3,600
WR 250	3,500	2,550	3,650

Machine weights	WR 200	WR 200i	WR 240	WR 240i	WR 250
Empty weight of machine in standard design excluding tank contents	23,300 kg	23,600 kg	28,800 kg	29,400 kg	30,500 kg
Operating weight, CE*	24,000 kg	24,300 kg	29,800 kg	30,400 kg	31,500 kg
Operating weight, max. (full tanks, max. weight of additional equipment features)	26,300 kg	26,600 kg	40,200 kg	40,800 kg	42,900 kg
Tank contents increasing empty weight					
Water tank filling in kg	380 kg		500 kg		
Additional water tank filling in kg	–		950 kg		
Diesel tank filling in kg (0.83 kg/l)	690 kg		1,245 kg	1,145 kg	1,245 kg
Diesel tank filling in kg when fitted with “S-Pack” option (0.83 kg/l)	–		1,070 kg	970 kg	1,070 kg
AdBlue®/DEF tank filling in kg	–	80 kg	–	100 kg	–
Filling of binder container (S-Pack) in kg	–		5,000 kg		
Equipment features increasing / reducing empty weight					
Driver and miscellaneous items					
Driver	75 kg				
Weight of 5 cutting tool containers	125 kg				
Injection system in lieu of standard					
Single ESL: Injection system for water or bitumen emulsion	450 kg		390 kg		
Dual ESL: Injection system for water and bitumen emulsion	760 kg		720 kg		
ESL foamed bitumen: Injection system for water and foamed bitumen	1,310 kg		1,400 kg		
ESL 1800 L: Injection system for water, 1,800 l/min	410 kg		390 kg		
Integrated binder spreader (S-Pack) including vent air filtering	–		3,800 kg		
Additional equipment					
Additional water tank (empty)	–		420 kg		

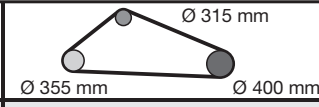
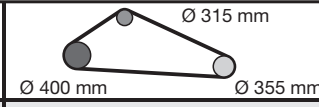
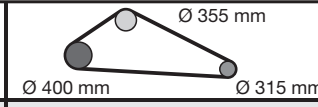



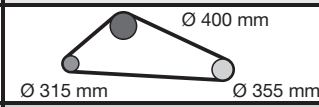
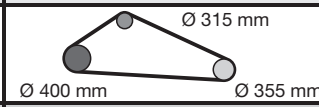
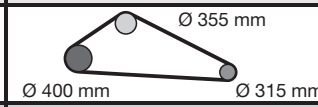



* = Machine in standard design, half-full water tank, half-full fuel tank, driver (75 kg), on-board tools


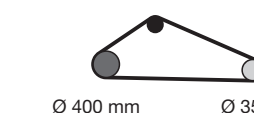










Rear view of WR 200/WR 200i, WR 240/WR 240i and WR 250
Dimensions in mm



	A	B	C	D
WR 200/WR 200i	500	2,000	370	approx. 25
WR 240/WR 240i	510	2,400	420	approx. 50
WR 250	560	2,400	420	approx. 50

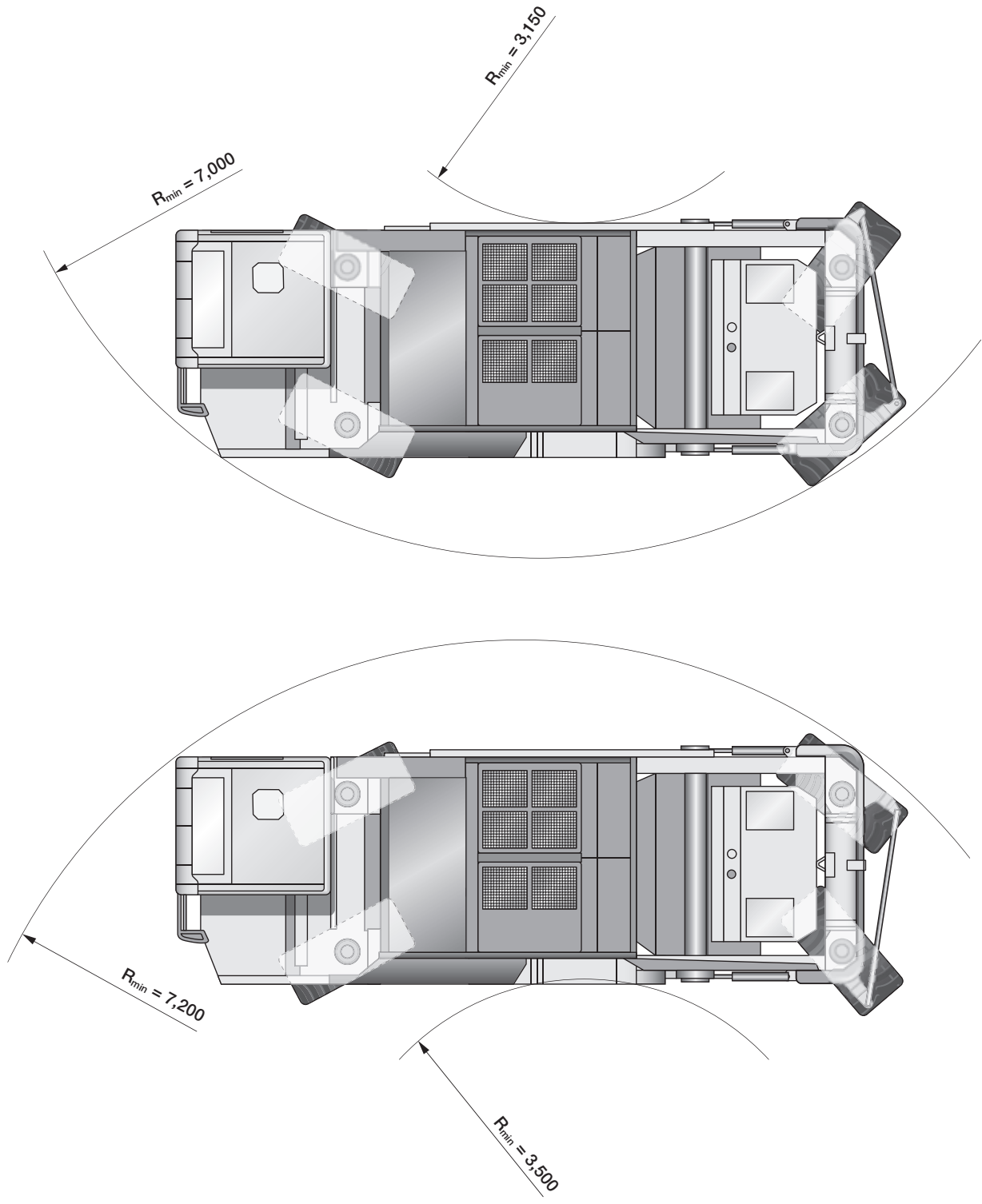
Milling rotor speed * WR 200/WR 200i, WR 240/WR 240i and WR 250

WR 200/WR 200i	Engine speed			
		108 min ⁻¹	137 min ⁻¹	154 min ⁻¹
		117 min ⁻¹	149 min ⁻¹	168 min ⁻¹
		127 min ⁻¹	161 min ⁻¹	181 min ⁻¹
WR 240/WR 240i	Engine speed			
		108 min ⁻¹	137 min ⁻¹	154 min ⁻¹
		120 min ⁻¹	153 min ⁻¹	172 min ⁻¹
		133 min ⁻¹	169 min ⁻¹	190 min ⁻¹

WR 250	Setting of drum gearbox	Engine speed		
	 I II 		87 min ⁻¹	111 min ⁻¹
			97 min ⁻¹	124 min ⁻¹
			108 min ⁻¹	137 min ⁻¹
	 I II 		129 min ⁻¹	164 min ⁻¹
			145 min ⁻¹	184 min ⁻¹
			160 min ⁻¹	203 min ⁻¹

* = The milling rotor speed depends on the engine speed setting

Turning radius of WR 200/WR 200i, WR 240/WR 240i and WR 250
Dimensions in mm



Equipment features	WR 200/WR 200i	WR 240/WR 240i	WR 250
Basic machine			
Free view of the milling edge, right	■	■	■
Integrated water tank	■	■	■
Right-hand wheels within the milling width	■	■	■
Engine management for optimal milling performance	■	■	■
Cooling system with temperature-governed fan speed	■	■	■
Effective engine soundproofing	■	■	■
Large storage space for cutting tool containers	■	■	■
Air compressor system	■	■	■
Standard painting in Wirtgen white with orange stripes	■	■	■
Special painting in one, two or several colours	□	□	□
Electrically operated diesel refuelling pump	□	□	□
“Wiggins” quick-filling system for diesel refuelling	□	□	□
Hydraulically operated high-pressure water cleaner, 190 bar	□	□	□
Battery-operated hydraulic module for milling drum turning device, cutting tool extractor and emergency functions	□	□	□
Milling and mixing unit			
Mechanical direct drive via power belt with automatic belt tensioner	■	■	■
Variable milling speed by combining: - 3 selectable engine speeds - 3 adjustable belt pulley arrangements	■	■	-
Variable milling speed by combining: - 3 selectable engine speeds - 2 adjustable belt pulley arrangements, and - 2-stage, switchable milling drum transmission	-	-	■
Power control during initiation of the milling process	■	■	■
Down-milling or up-milling option depending on the working direction	■	■	■
Hydraulically adjustable crusher bar	■	■	■
Hydraulically adjustable scraper blade	■	■	■
Continuous hydraulic raising and lowering of the milling rotor	■	■	■
Variable mixing chamber	■	■	■
Drum turning device for cutting tool replacement	□	□	■
Pneumatic cutting tool driver and extractor	□	□	□
Hydraulic cutting tool extractor	□	□	□
Milling and mixing rotor			
Milling and mixing rotor, working width 2,000 mm, LA 20, welded toolholder system, tool shank diameter 22 mm	■	-	-
Milling and mixing rotor, working width 2,000 mm, LA 20, quick-change toolholder system HT11, tool shank diameter 22 mm	□	-	-
Milling and mixing rotor, working width 2,000 mm, LA 20, quick-change toolholder system HT11, tool shank diameter 25 mm	□	-	-
Milling and mixing rotor, working width 2,400 mm, LA 20, quick-change toolholder system HT11, tool shank diameter 22 mm	-	■	-
Milling and mixing rotor, working width 2,400 mm, LA 20, quick-change toolholder system HT11, tool shank diameter 25 mm	-	□	-
Milling and mixing rotor, working width 2,400 mm, LA 30x2, quick-change toolholder system HT11, tool shank diameter 22 mm	-	-	■
Milling and mixing rotor, working width 2,400 mm, LA 30x2, quick-change toolholder system HT11, tool shank diameter 22 mm	-	-	□
Replaceable edge ring segments	■	■	■

- = Standard equipment
- = Optional equipment
- = Not available

Equipment features	WR 200 /WR 200i	WR 240 /WR 240i	WR 250
Injection system/ addition of binders			
Openings for injection systems closed by means of cover panels	■	■	■
Single ESL: Injection system for water or bitumen emulsion	□	□	□
Dual ESL: injection system for water and bitumen emulsion	□	□	□
ESL foamed bitumen: injection system for water and foamed bitumen	□	□	□
ESL 1800 L: injection system for water, 1,800 l/min	□	□	□
Integrated binder spreader (S-Pack)	-	□	□
External metering control	□	□	□
Additional water tank (950 l)	-	□	□
Suction hose for water or bitumen emulsion	□	□	□
Suction hose for hot bitumen	□	□	□
Slurry pipe for transport of cement slurry from WM 1000	-	□	□
Additional push bar	□	□	□
Machine control and levelling system			
Colour screen for machine data, parameter settings and diagnostics	■	■	■
Cross slope sensor to adjust the cross slope	□	□	□
Programmable automatic lowering and raising of the milling and mixing rotor to start or stop the milling process	■	■	■
Automatic functions for increased machine operator comfort	■	■	■
Operator's platform			
Anti-vibration mounted comfort operator's cabin	■	■	■
ROPS and FOPS integrated in cabin frame	■	■	■
Windows with windscreen wipers for an optimal view of work areas	■	■	■
Cabin can be moved out over the right side of the machine	■	■	■
Reversing camera with visual reverse assist integrated in colour screen	■	■	■
Screen system including 3 additional cameras and display on additional screen	□	□	□
Operator's platform can be swivelled about 90 degrees	■	■	■
Heating system and roof hatch	■	■	■
Automatic climate control system integrated in roof lining	□	□	□
Various storage and shelving options	■	■	■
12-volt and 24-volt sockets	■	■	■
Working lights integrated in cabin roof	■	■	■
Mirrors in the front section of the machine	■	■	■
Radio system including CD/MP3/USB/Bluetooth and two loudspeakers	□	□	□
Job data printer to keep a log of binder consumption and area performance	□	□	□
Chassis and height adjustment			
Continuously adjustable hydraulic all-wheel drive	■	■	■
Four-fold full-floating axle for high machine stability	■	■	■
All-wheel steering including various steering modes	■	■	■
Miscellaneous			
Lighting package including 14 halogen working lights	■	■	■
Lighting package including 12 LED and 2 halogen working lights	□	□	□
Comprehensive safety package including emergency stop switches	■	■	■
Comprehensive toolkit including lockable toolbox	■	■	■
European design type certification, GS mark (Geprüfte Sicherheit = Tested Safety) and CE conformity	■	■	■
Warranty of 12 months or 1,000 engine operating hours	■	■	■
Machine commissioning by qualified personnel	■	■	■

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- = Optional equipment
- = Not available



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