



Technical specification

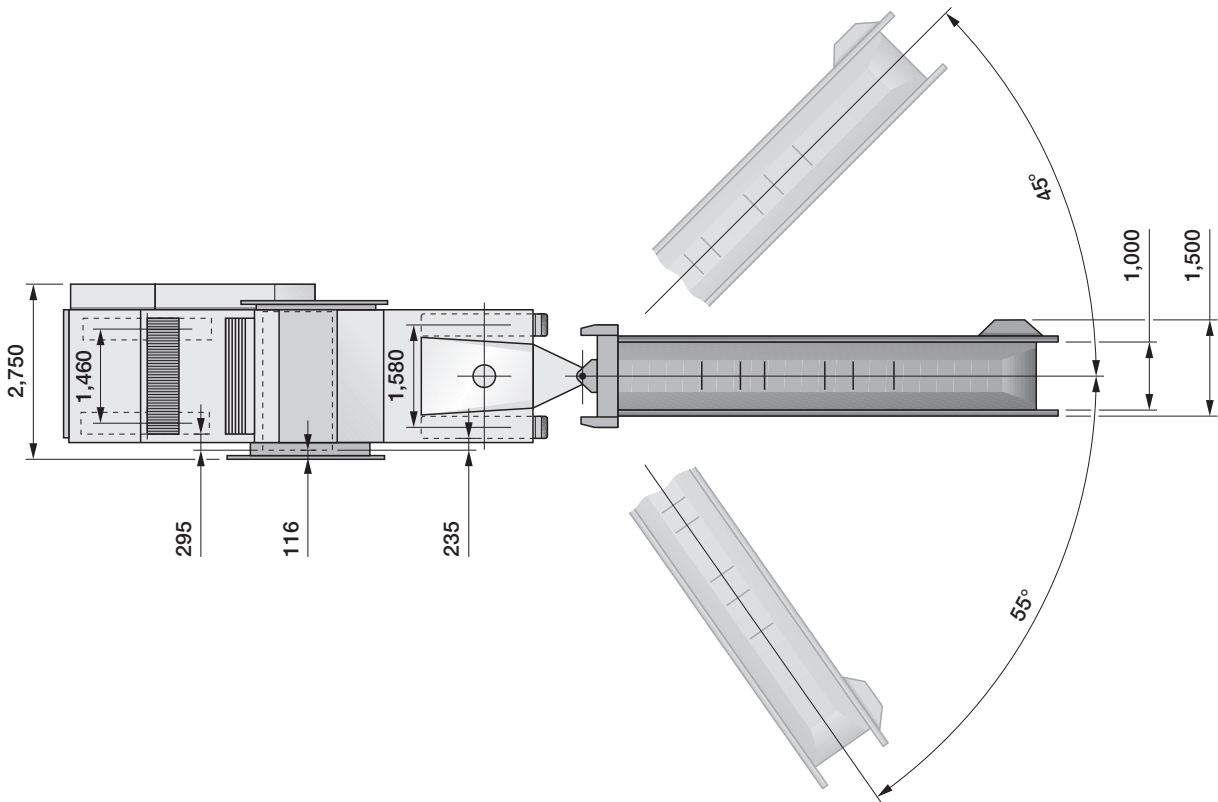
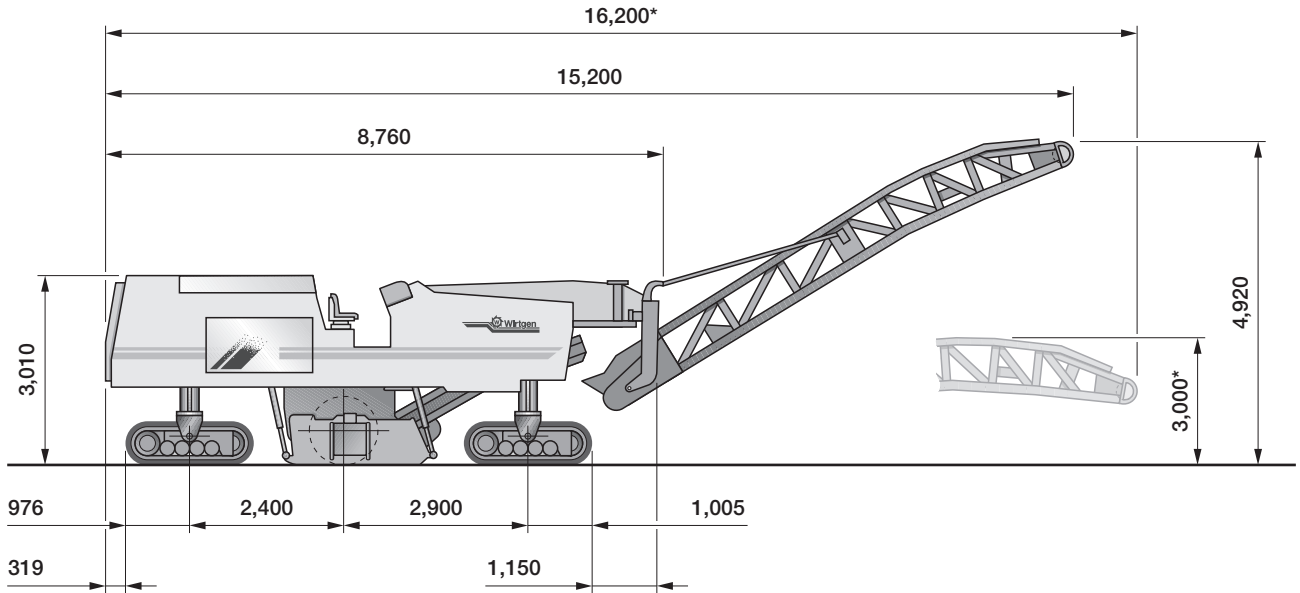
Cold milling machine W 2100



Cold milling machine W 2100	
Milling width max.	2,200 mm
Milling depth *1	0–320 mm
Milling drum	
Tool spacing	15 mm
Number of tools	186
Drum diameter with tools	1,080 mm
Engine	
Manufacturer	Caterpillar
Type	C 18 ATAAC
Cooling	Water
Number of cylinders	6
Rated power at 2,100 min ⁻¹	522 kW/700 HP/710 PS
Displacement	18.13 l
Fuel consumption at rated power	145 l/h
Fuel consumption in field mix	65 l/h
Emission standards	EC Stage 3a/US EPA Tier 3
Electrical system	24 V
Filling capacities	
Fuel tank	1,300 l
Hydraulic fluid tank	300 l
Water tank	4,500 l
Driving characteristics	
Travel speed	0–86 m/min (0–5 km/h)
Crawler tracks	
Crawler tracks, front and rear (L x W x H)	2,000 x 350 x 710 mm
Loading of milled material	
Belt width of primary conveyor	1,000 mm
Belt width of discharge conveyor	1,000 mm
Theoretical capacity of discharge conveyor	550 m ³ /h
Shipping dimensions	
Machine (L x W x H)	8,800 x 2,750 x 3,010 mm
Discharge conveyor (L x W x H)	8,600 x 1,570 x 1,260 mm

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

Dimensions in mm



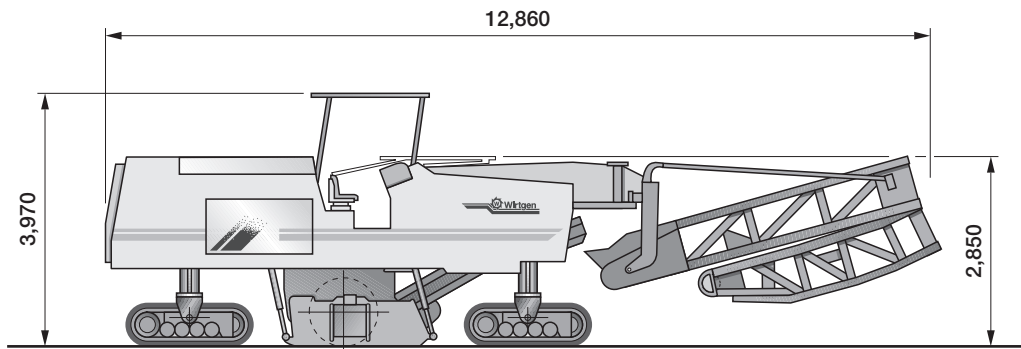
* = Dimensions for low-loader transport

	Machine weights of cold milling machine W 2100
Empty weight of machine without filling media	33,500 kg
Operating weight, CE *	36,420 kg
Maximum operating weight (full tanks, full range of equipment)	41,249 kg
	Weights of filling media
Water tank filling in kg	4,500 kg
Diesel tank filling in kg (0.83 kg/l)	1,079 kg
	Optional equipment features increasing / reducing empty weight
Canopy	250 kg
Conveyor in folding conveyor design	370 kg
VCS-Vacuum Cutting System	150 kg
Supplementary weight for flexible use	1,400 kg

* = Weight of machine with half-full water tank, half-full fuel tank, driver (75 kg) and on-board tools.

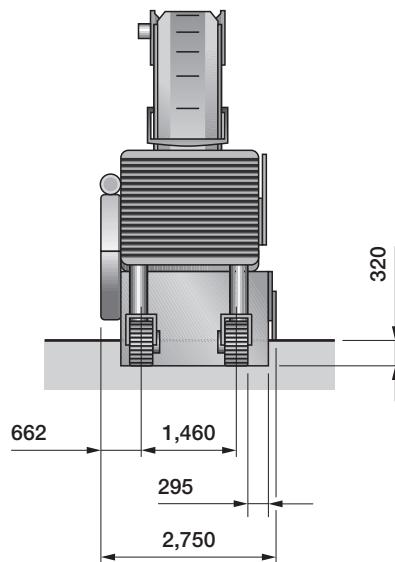
Optional equipment: canopy and folding conveyor

Dimensions in mm



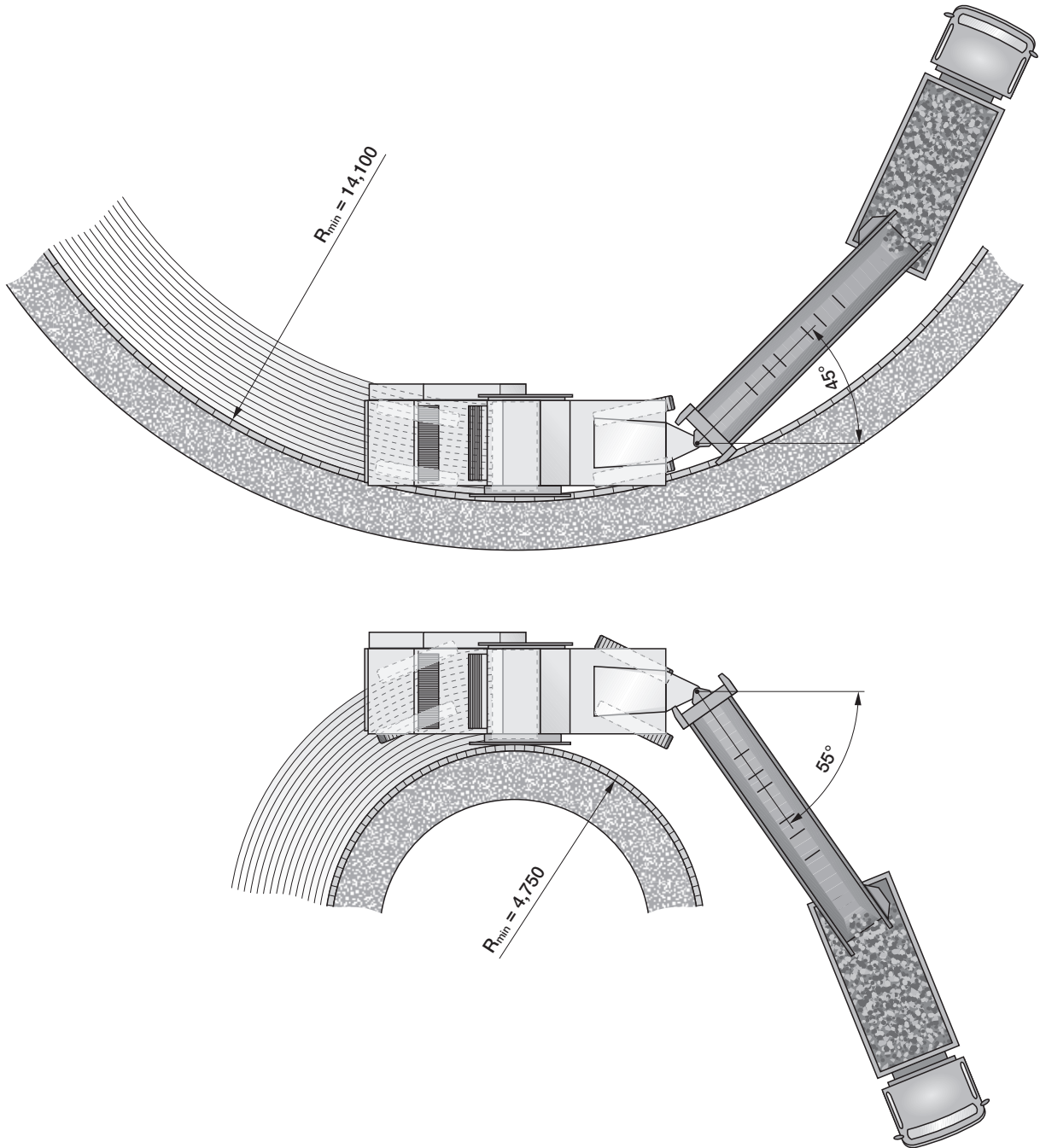
Rear view W 2100

Dimensions in mm



Milling width 2,200 mm

Milling radius of cold milling machine W 2100 at 150 mm milling depth
Dimensions in mm



Equipment features of cold milling machine W 2100

Standard equipment:

Basic machine with engine

- Air intake with cyclonic pre-cleaner
- Water cooler with temperature-related fan speed
- Lockable, hydraulically opening engine cowling with integrated soundproofing package
- Standard painting in Wirtgen white with orange stripes

Milling drum housing

- Milling drum housing for milling width 2,200 mm, consisting entirely of wear plates
- Mechanical milling drum drive via multiple V-belts with hydraulic belt tensioner
- Hydraulically movable and adjustable scraper blade
- Hydraulic gradation control beam with conveyor lift function
- Hydraulically lifting side plates
- Additional locking valve for scraper blade when milling down to top edge of subbase layer
- Replaceable wearing segments at the side plates

Milling drums

- Milling drum, milling width 2,200 mm, tool spacing 15 mm, HT11 quick-change toolholder system
- Two cutting speed options by exchanging the belt pulleys
- Multiple-use ejector system

Loading of milled material

- Two-stage loading conveyor system with 1,000 mm wide belt
- Discharge conveyor slewing angle 45 degrees left, 55 degrees right
- Conveyor system with individually adjustable conveying speed

Machine and levelling control

- Advance speed control across the entire speed range via joystick with proportional control
- Automatic power control unit for optimum power adjustment to different pavement materials
- Automatically engageable hydraulic traction control (flow divider)
- Freely selectable steering modes for crawler tracks
- Engageable high-pressure water system
- Engaging water injection in milling chamber
- Engaging water spray system at primary conveyor

Operator's platform

- Walk-through, anti-vibration mounted operator's platform with one control panel each left and right and two individually adjustable driver's seats
- Lockable control panel covers
- Access left and right with convenient fold-away ladder
- Two mirrors at the front, one mirror at the rear
- WIDIS 32 multifunctional display in right-hand control panel

Chassis and height adjustment

- Extremely wear-resistant polyurethane track pad equipment
- Continuously adjustable, hydraulic all-track drive with hydraulic differential lock
- Height adjustment via proportional valve control
- Four-track steering with freely selectable steering modes

Miscellaneous

- Lighting package with 10 halogen spotlights
- Comprehensive safety package with 6 emergency stop switches
- Comprehensive toolkit in lockable toolbox
- Storage compartment for four tool containers
- 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

Optional equipment:

Basic machine with engine

- Air compressor system
- Operation of machine with biodegradable hydraulic fluid
- Refuelling pump for diesel tank (electrically operated)
- Special painting in one, two or several colours

Milling drum housing

- Drum turning device for cutting tool replacement
- Pneumatic cutting tool driver and extractor
- Electro-hydraulically operated cutting tool extractor
- Additional fold-out seats at the rear crawler tracks for cutting tool replacement

Milling drums

- Fine milling drum, milling width 2,200 mm, tool spacing 8 mm, HT11 quick-change toolholder system

Loading of milled material

- Hydraulically operated folding discharge conveyor, long
- Conveyor support legs for low-loader transport (with standard conveyor design only)

Machine and levelling control

- LEVEL PRO automatic levelling system with 2 wire-rope sensors
- Additional LEVEL PRO control panel
- Scanning in front of the milling drum by means of a wire-rope sensor
- Electronic slope sensor
- Additional ultrasonic sensor, left
- Sonic ski sensor
- Scanning a stringline by means of a transducing sensor
- Pre-installation for Multiplex system with switching board for multiple sensors

Operator's platform

- Stable, soundproof GRP canopy with folding rear screen; canopy can be fully raised and lowered hydraulically
- Sunshade

Miscellaneous

- Lighting package with 6 Xenon spotlights and 4 standard spotlights
- Material guide arranged between the rear crawler tracks, including storage compartment for four tool containers
- Dual seats for convenient tool replacement, arranged between the rear crawler tracks, including storage compartment for four tool containers
- Hydraulically operated high-pressure water cleaner (max. 200 bar) combined with hydraulically operated filling pump
- Additional storage space of 200 l for approx. 14 cutting tool containers
- Bolt-on supplementary weight of 1,400 kg to be mounted at the rear of the machine
- Screen system including display



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