



Technical specification

Cold milling machine W 100/W 100i

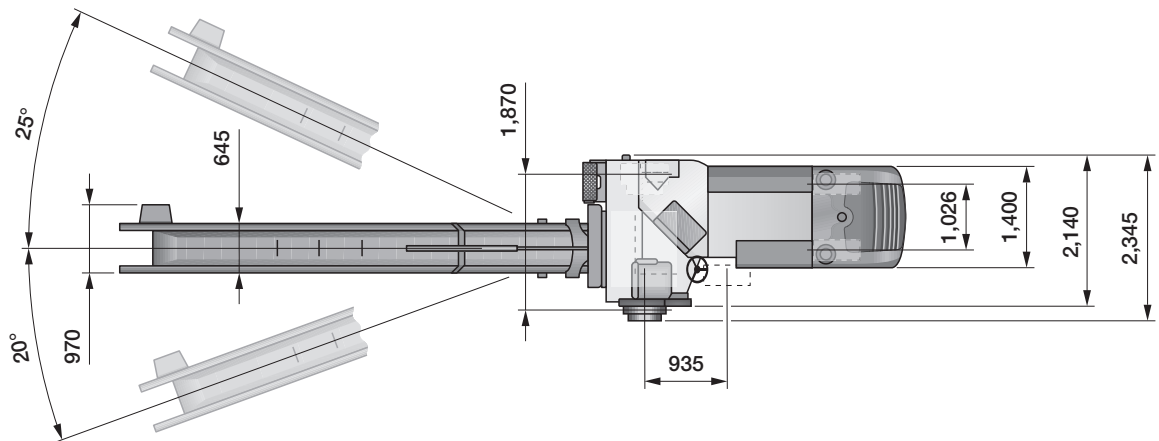
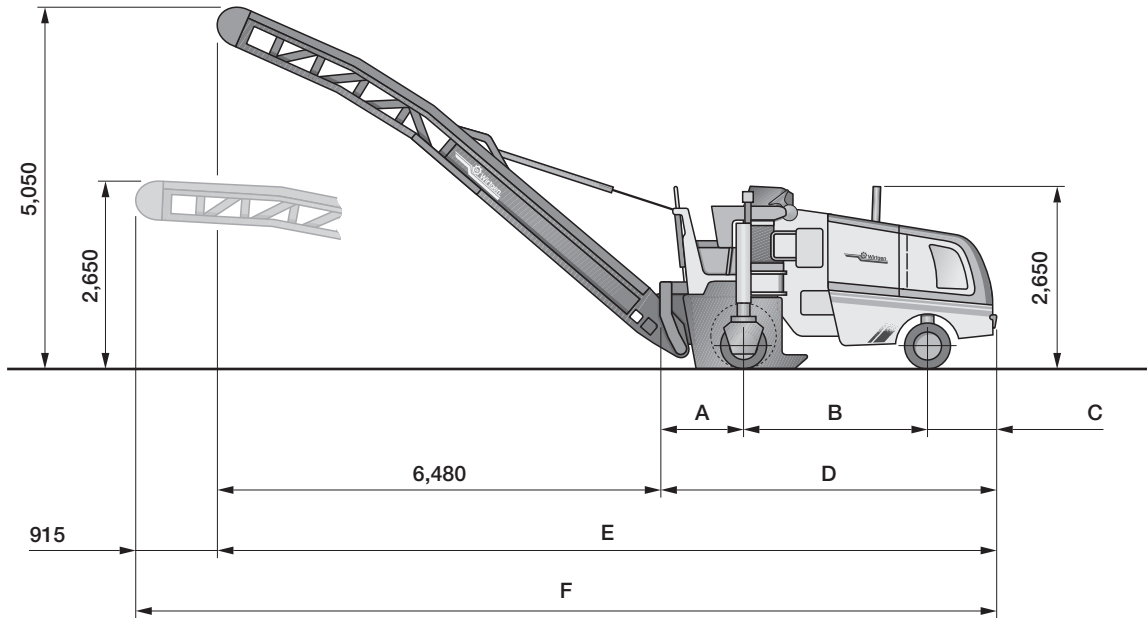


Technical specification

Cold milling machine W 100 und W 100i		
Milling drum		
Milling width	1,000 mm	
Milling depth* ¹	300 mm	
Tool spacing	15 mm	
Number of tools	100	
Drum diameter with tools	930 mm	
Engine	W 100	W 100i
Manufacturer	Deutz	Deutz
Type	TCD 2012 L06 2V	TCD 6.1 L6
Cooling	Water	Water
Number of cylinders	6	6
Rated power at 2,300 min ⁻¹	155 kW/208 HP/211 PS	160 kW/215 HP/218 PS
Displacement	6,057 cm ³	6,057 cm ³
Fuel consumption at rated power	42 l/h	44 l/h
Fuel consumption in field mix	17 l/h	18 l/h
Emission standards	EU Stage 3a/US Tier 3	EU Stage 3b/US Tier 4i
Electrical system	24 V	24 V
Filling capacities		
Fuel tank	450 l	480 l
Hydraulic fluid tank	80 l	
Water tank	900 l	
Driving properties		
1 st milling gear	0–10 m/min (0.6 km/h)	
2 nd milling gear	0–20 m/min (1.2 km/h)	
3 rd milling gear	0–30 m/min (1.8 km/h)	
Travel gear	0–6 km/h	
Theoretical gradeability, milling gear/travel gear	75%/10%	
Tyres		
Type of tyres	Solid rubber	
Tyre size, front (diameter x width)	620 x 230 mm	
Tyre size, rear (diameter x width)	620 x 255 mm	
Loading the milled material		
Belt width	500 mm	
Theoretical conveyor capacity	115 m ³ /h	
Shipping dimensions	W 100	W 100i
Dimensions of machine (L x W x H)	4,690 x 2,345 x 2,550 mm	4,770 x 2,345 x 2,550 mm
Dimensions of machine (support wheel folded in) (L x W x H)	4,690 x 2,140 x 2,550 mm	4,770 x 2,140 x 2,550 mm
Dimensions of conveyor (L x W x H)	8,050 x 1,000 x 1,000 mm	

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

Dimensions in mm



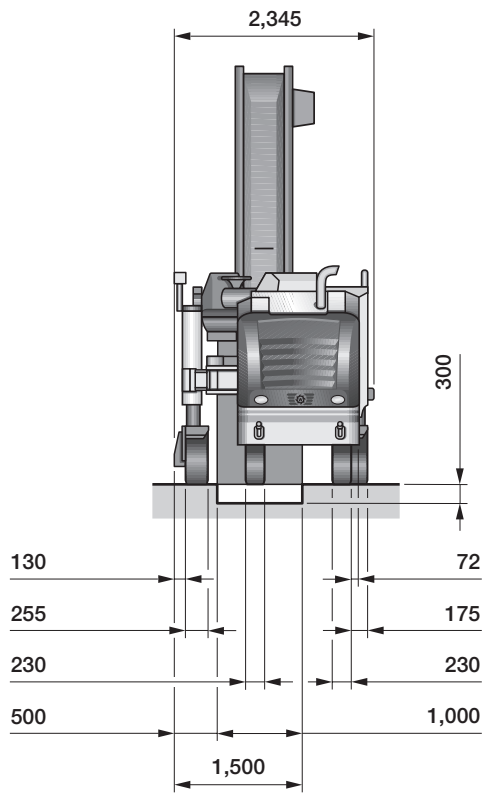
W 100					
A	B	C	D	E	F
1,080	2,660	950	4,690	11,170	12,085
W 100i					
A	B	C	D	E	F
1,080	2,740	950	4,770	11,250	12,165

	Machine weights W 100	Machine weights W 100i
Empty weight of machine without filling media	13,500 kg	13,750 kg
Operating weight, CE*	14,243 kg	14,493 kg
Operating weight, max. (full tanks, full range of equipment)	16,345 kg	16,595 kg
Front axle load based on operating weight, CE*	5,697 kg	5,847 kg
Rear axle load based on operating weight, CE*	8,546 kg	8,646 kg
	Weights of filling media	
Water tank filling in kg	900 kg	
Diesel tank filling in kg (0.83 kg/l)	375 kg	400
	Optional equipment features increasing / reducing empty weight	
Driver and tools		
Driver	75 kg	
Weight of 5 cutting tool containers	125 kg	
On-board tools	30 kg	
Optional milling drum assemblies in lieu of standard		
Milling drum housing, milling width 1,000 mm, FCS-L	320 kg	
Optional milling drums in lieu of standard		
Milling drum, milling width 1,000 mm, tool spacing 15, FCS-L	50 kg	
Milling drum, milling width 1,000 mm, tool spacing 8, FCS-L	260 kg	
Milling drum, milling width 1,000 mm, tool spacing 6x2, FCS-L	270 kg	
Optional additional equipment		
Canopy	270 kg	
Conveyor in folding design, long, 8,020 mm	80 kg	
Conveyor in folding design, short, 7,140 mm	0 kg	
Manual folding conveyor in lieu of standard	100 kg	
Machine without conveyor	-680 kg	
Supplementary weight for flexible use installed in wheel units	400 kg	

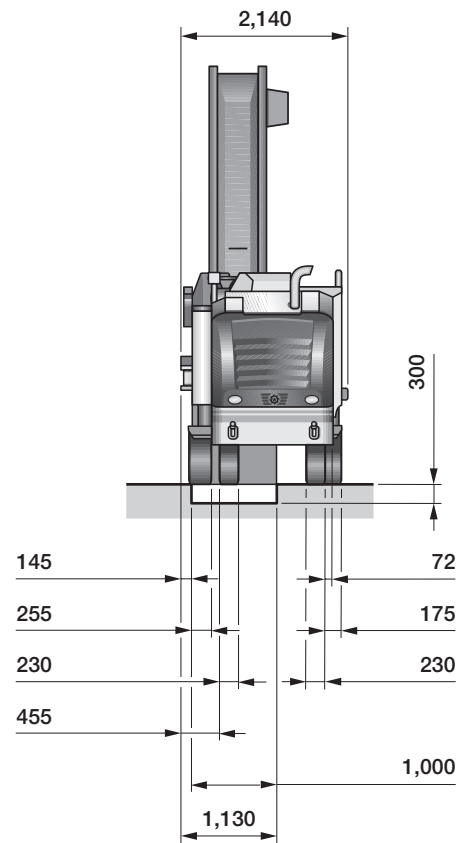
* = weight of machine with half-full water tank, half-full fuel tank, driver (75 kg) and on-board tools

Front view
Dimensions in mm

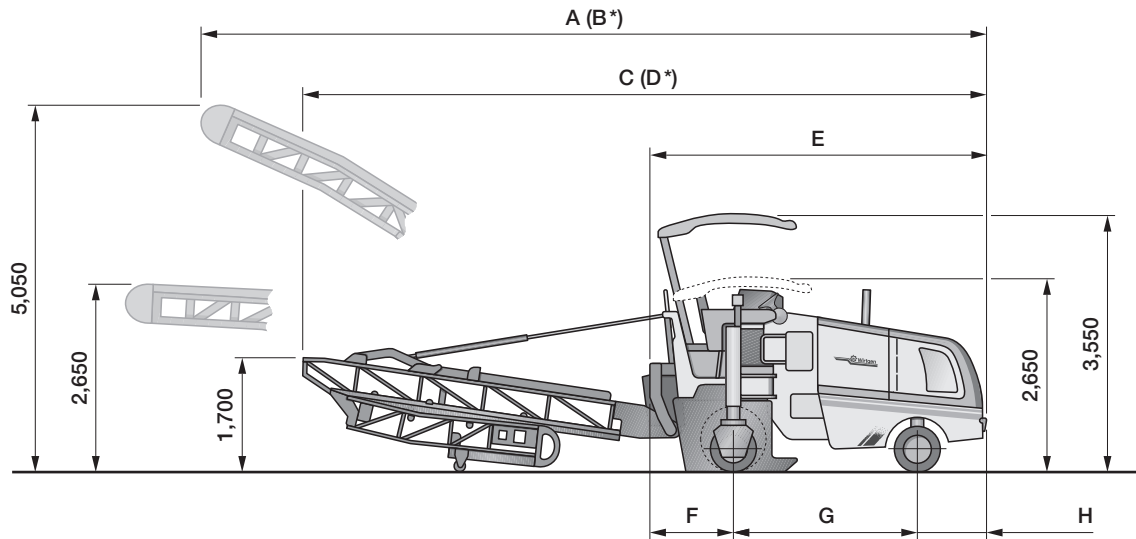
support wheel folded out



support wheel folded in



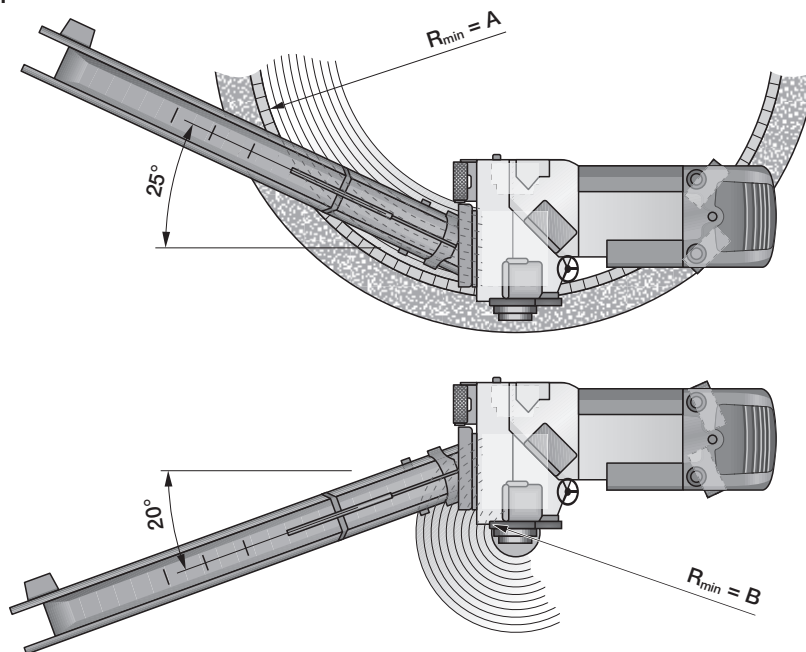
Machine transport with optional canopy and manual folding conveyor
 Dimensions in mm



W 100							
A	B*	C	D*	E	F	G	H
11,170	10,495	9,340	8,515	4,690	1,080	2,660	950
W 100i							
A	B*	C	D*	E	F	G	H
11,250	10,575	9,420	8,595	4,770	1,080	2,740	950

* = Folding conveyor, short

Milling radius, 50 mm milling depth
 Dimensions in mm



W 100		W 100i	
A	B	A	B
3,800	370	3,800	385

Equipment features of cold milling machine W 100/W 100i

Standard equipment:

Basic machine with engine

- ✔ Water-cooled engine
- ✔ Mechanically opening, soundproof engine cowling
- ✔ Water cooler with temperature-related fan speed
- ✔ Highly effective soundproofing of entire engine compartment
- ✔ Standard painting in Wirtgen white with orange stripes

Milling drum housing

- ✔ Wear-resistant milling drum housing for milling width 1,000 mm, including mount for loading conveyor
- ✔ Hydraulically lifting side plates
- ✔ Right-hand side plate in hinged design
- ✔ Water spray bar in milling drum assembly

Milling drums

- ✔ Milling drum, milling width 1,000 mm, tool spacing 15 mm, HT11 quick-change toolholder system
- ✔ Mechanical milling drum drive via multiple V-belts with automatic belt tensioner

Loading of milled material

- ✔ Heavy-duty discharge conveyor, 8.2 m long, with 500 mm wide belt system
- ✔ Discharge conveyor slewing angle 25 degrees left, 20 degrees right

Machine and levelling control

- ✔ Mechanical milling depth display via dials left and right
- ✔ Automatically engaging high-pressure water system

Operator's platform

- ✔ Individually adjustable driver's seat on the right side of the machine
- ✔ Adjustable steering wheel
- ✔ Convenient control panel with practical switches
- ✔ Right-hand armrest including major operating functions
- ✔ Digital multi-functional display for all important operation parameters
- ✔ Lockable control panel cover
- ✔ Access to operator's platform at the rear left of the machine
- ✔ Exterior rear view mirrors left and right
- ✔ Reversing horn with clearly audible sound
- ✔ Illuminated control panel/night design

Chassis and height adjustment

- ✔ Continuously adjustable, hydraulic all-wheel drive with four speed ranges
- ✔ Differential lock selectable in both forward and reverse gear
- ✔ Hydraulic height adjustment with two speed settings at the rear wheel units
- ✔ Smooth, hydraulic front-wheel steering
- ✔ The rear right support wheel can be swivelled in front of the milling drum mechanically to allow flush-to-kerb milling
- ✔ Hydraulically disengaging spring-loaded multiple-disk brake

Miscellaneous

- ✔ Lighting package consisting of 6 halogen spotlights and one rotating beacon
- ✔ Comprehensive toolkit in lockable toolbox
- ✔ Towing device
- ✔ Safety package with emergency stop button
- ✔ Additional storage compartment for cutting tool containers
- ✔ Standard warranty of 12 months or 1,000 engine operating hours
- ✔ Machine commissioning by qualified personnel

Optional equipment:

Basic machine with engine

- ✔ Special painting in one, two or several colours

Milling drum housing

- ✔ Wear-resistant milling drum housing for milling width 1,000 mm, FCS Light, including pre-installation for quick and easy drum change, excluding milling drum
- ✔ Milling drum assembly sealing, front, with hydraulic lifting function

Milling drums

- ✔ FCS milling drum, milling width 1,000 mm, tool spacing 15 mm, HT11 quick-change toolholder system
- ✔ FCS fine milling drum, milling width 1,000 mm, tool spacing 8 mm, HT11 quick-change toolholder system
- ✔ FCS fine milling drum, milling width 1,000 mm, tool spacing 6x2 mm, HT5 welded toolholder system
- ✔ Mounting carriage for milling drums

Loading of milled material

- ✔ Milling drum assembly sealing flaps in lieu of discharge conveyor system
- ✔ Heavy-duty, manually folding discharge conveyor, 8,020 mm long, with 500 mm wide belt system
- ✔ Heavy-duty, manually folding discharge conveyor, 7,140 mm long, with 500 mm wide belt system

Machine and levelling control

- ✔ LEVEL PRO automatic levelling system with 2 wire-rope sensors
- ✔ Integration of electronic slope sensor into levelling system

Operator's platform

- ✔ Canopy, electro-hydraulically adjustable in height and mechanically adjustable to either side

Chassis and height adjustment

- ✔ Hydraulically folding wheel unit at the rear right

Miscellaneous

- ✔ Lighting package consisting of 3 Xenon spotlights, 3 halogen spotlights and one rotating beacon
- ✔ Lighting package consisting of 6 halogen spotlights, two rotating beacons plus additional direction indicators, rear lights and side lights in accordance with StVZO (German road traffic licensing regulations)
- ✔ Bolt-on supplementary weight, 400 kg
- ✔ Additional hydraulic connections for ancillary hydraulic equipment



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