



Technical specification

Cold milling machine W 100/W 100i

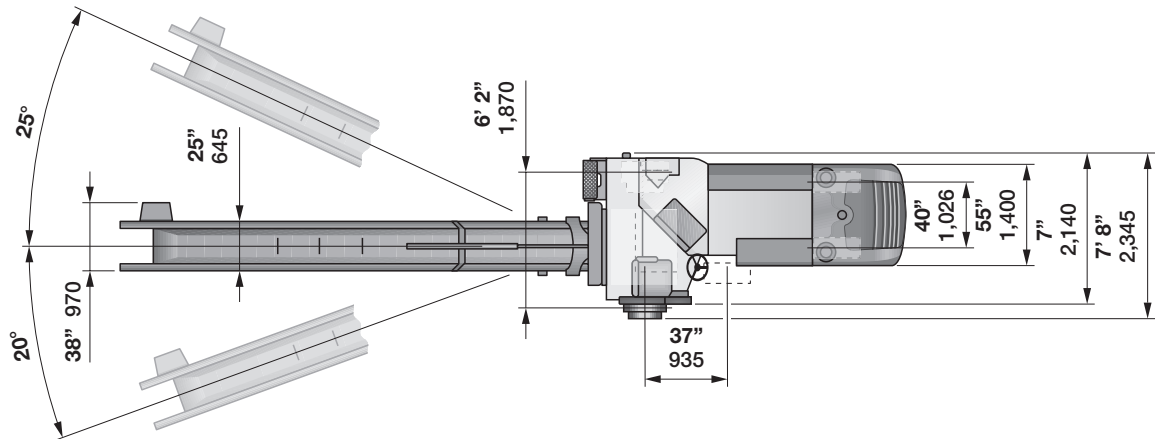
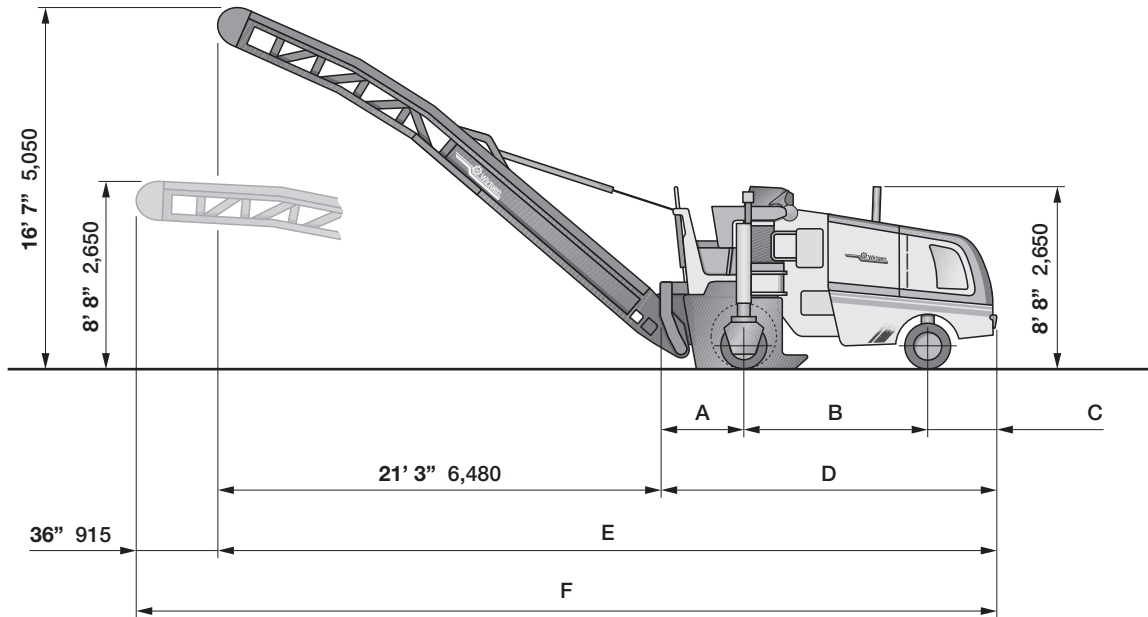


Technical specification

Cold milling machine W 100 und W 100i		
Milling drum		
Milling width	39" 1,000 mm	
Milling depth* ¹	12" 300 mm	
Tool spacing	5/8" 15 mm	
Number of tools	100	
Drum diameter with tools	37" 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	370 in ³ 6,057 cm ³	370 in ³ 6,057 cm ³
Fuel consumption at rated power	11.1 gal/h 42 l/h	11.6 gal/h 44 l/h
Fuel consumption in field mix	4.5 gal/h 17 l/h	4.8 gal/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	118.9 gal 450 l	126.8 gal 480 l
Hydraulic fluid tank	21.1 gal 80 l	
Water tank	237.8 gal 900 l	
Driving properties		
1 st milling gear	0–33 ft/min (0.37 mph) 0–10 m/min (0.6 km/h)	
2 nd milling gear	0–66 ft/min (0.75 mph) 0–20 m/min (1.2 km/h)	
3 rd milling gear	0–98 ft/min (1.12 mph) 0–30 m/min (1.8 km/h)	
Travel gear	0–3.7 mph 0–6 km/h	
Theoretical gradeability, milling gear/travel gear	75%/10%	
Tires		
Type of tires	Solid rubber	
Tire size, front (diameter x width)	24" x 9" 620 x 230 mm	
Tire size, rear (diameter x width)	24" x 10" 620 x 255 mm	
Loading the milled material		
Belt width	20" 500 mm	
Theoretical conveyor capacity	150 yd ³ /h 115 m ³ /h	
Shipping dimensions	W 100	W 100i
Dimensions of machine (L x W x H)	15' 5" x 7' 8" x 8' 4" 4,690 x 2,345 x 2,550 mm	15' 8" x 7' 8" x 8' 4" 4,770 x 2,345 x 2,550 mm
Dimensions of machine (support wheel folded in) (L x W x H)	15' 5" x 7' x 8' 4" 4,690 x 2,140 x 2,550 mm	15' 8" x 7' x 8' 4" 4,770 x 2,140 x 2,550 mm
Dimensions of conveyor (L x W x H)	26' 5" x 39" x 39" 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 American standard and mm



	A	B	C	D	E	F
W 100	43" 1,080	8' 9" 2,660	37" 950	15' 5" 4,690	36' 8" 11,170	39' 8" 12,085
W 100i	43" 1,080	9' 2,740	37" 950	15' 8" 4,770	36' 11" 11,250	39' 11" 12,165

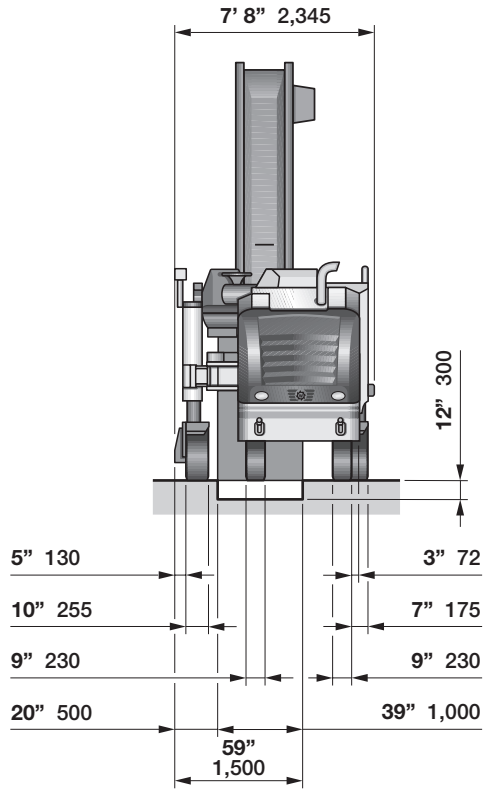
	Machine weights W 100	Machine weights W 100i
Empty weight of machine without filling media	29,762 lbs 13,500 kg	30,314 lbs 13,750 kg
Operating weight, CE*	31,400 lbs 14,243 kg	31,952 lbs 14,493 kg
Operating weight, max. (full tanks, full range of equipment)	36,035 lbs 16,345 kg	36,586 lbs 16,595 kg
Front axle load based on operating weight, CE*	12,560 lbs 5,697 kg	12,890 lbs 5,847 kg
Rear axle load based on operating weight, CE*	18,841 lbs 8,546 kg	19,061 lbs 8,646 kg
	Weights of filling media	
Water tank filling	1,984 lbs 900 kg	
Diesel tank filling (6.93 lbs /gal 0.83 kg/l)	827 lbs 375 kg	882 lbs 400 kg
	Optional equipment features increasing / reducing empty weight	
Driver and tools		
Driver	165 lbs 75 kg	
Weight of 5 cutting tool containers	276 lbs 125 kg	
On-board tools	66 lbs 30 kg	
Optional milling drum assemblies in lieu of standard		
Milling drum housing, milling width 39" (1,000 mm), FCS-L	705 lbs 320 kg	
Optional milling drums in lieu of standard		
Milling drum, milling width 39" (1,000 mm), tool spacing 15, FCS-L	110 lbs 50 kg	
Milling drum, milling width 39" (1,000 mm), tool spacing 8, FCS-L	573 lbs 260 kg	
Milling drum, milling width 39" (1,000 mm), tool spacing 6x2, FCS-L	595 lbs 270 kg	
Optional additional equipment		
Canopy	595 lbs 270 kg	
Conveyor in folding design, long, 26' 4" (8,020 mm)	176 lbs 80 kg	
Conveyor in folding design, short, 23' 5" (7,140 mm)	0 lbs 0 kg	
Manual folding conveyor in lieu of standard	220 lbs 100 kg	
Machine without conveyor	-1,499 lbs -680 kg	
Supplementary weight for flexible use installed in wheel units	882 lbs 400 kg	

* = weight of machine with half-full water tank, half-full fuel tank, driver (165 lbs (75 kg)) and on-board tools

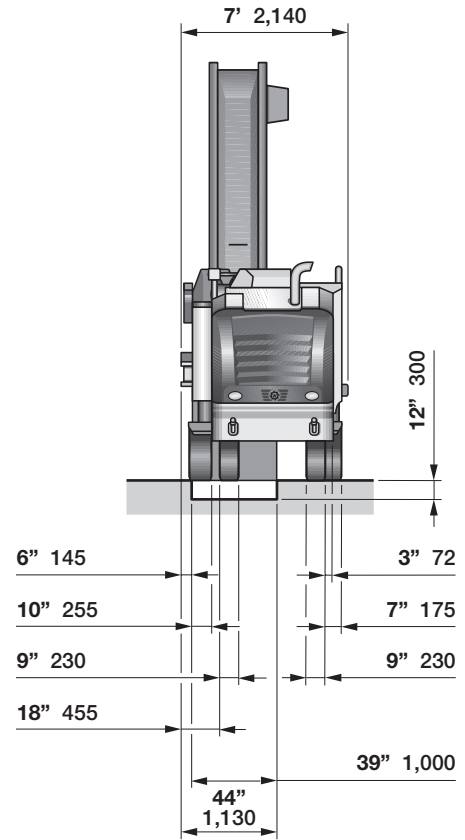
Front view

Dimensions in American standard and mm

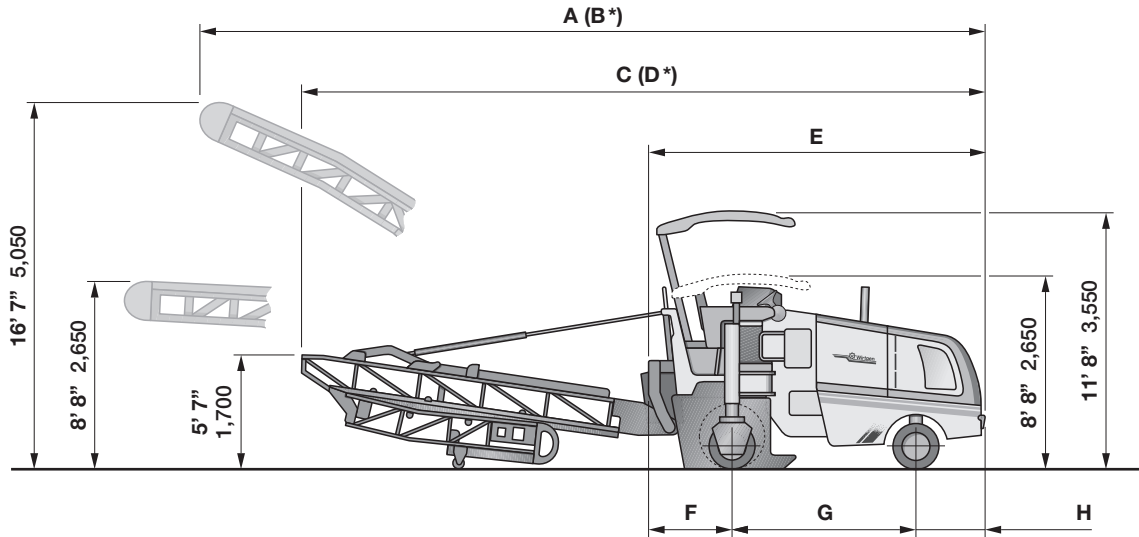
support wheel folded out



support wheel folded in



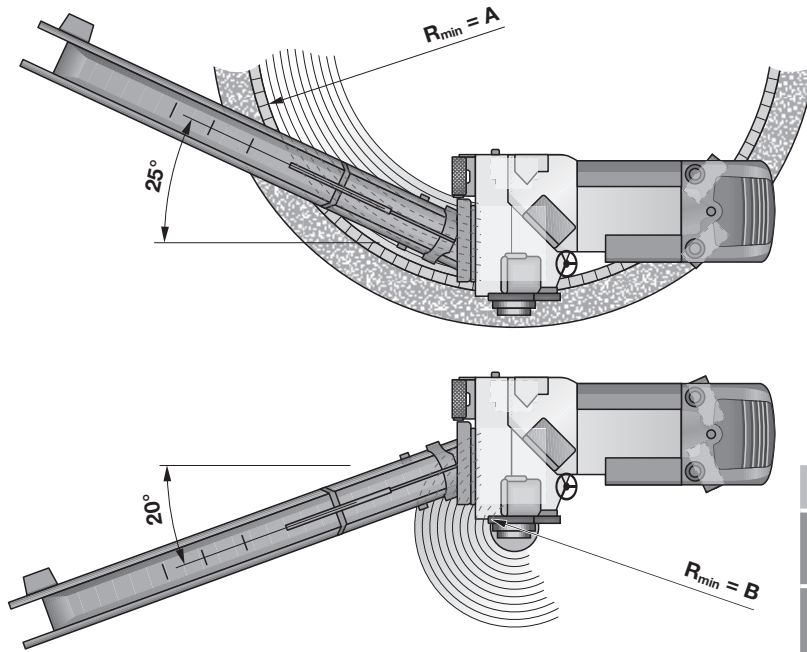
Machine transport with optional canopy and manual folding conveyor
 Dimensions in American standard and mm



	A	B*	C	D*	E	F	G	H
W 100	36' 8" 11,170	34' 5" 10,495	30' 8" 9,340	27' 11" 8,515	15' 5" 4,690	43" 1,080	8' 9" 2,660	37" 950
W 100i	36' 11" 11,250	34' 8" 10,575	30' 11" 9,420	28' 2" 8,595	15' 8" 4,770	43" 1,080	9' 2,740	37" 950

* = Folding conveyor, short

Milling radius, 2" (50 mm) milling depth
 Dimensions in American standard and mm



	A	B
W 100	12' 6" 3,800	15" 370
W 100i	12' 6" 3,800	15" 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 39" (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 39" (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, 26' 11" (8,200 mm) long, with 20" (500 mm) wide belt system
- Discharge conveyor slewing angle 25 degrees left, 20 degrees right

Machine and leveling 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 swiveled in front of the milling drum mechanically to allow flush-to-curb 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 colors

Milling drum housing

- Wear-resistant milling drum housing for milling width 39" (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 39" (1,000 mm), tool spacing $\frac{5}{8}$ " (15 mm), HT11 quick-change toolholder system
- FCS fine milling drum, milling width 39" (1,000 mm), tool spacing $\frac{5}{16}$ " (8 mm), HT11 quick-change toolholder system
- FCS fine milling drum, milling width 39" (1,000 mm), tool spacing $\frac{1}{2}$ " (12.5 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, 26' 4" (8,020 mm) long, with 20" (500 mm) wide belt system
- Heavy-duty, manually folding discharge conveyor, 23' 5" (7,140 mm) long, with 20" (500 mm) wide belt system

Machine and leveling control

- LEVEL PRO automatic leveling system with 2 wire-rope sensors
- Integration of electronic slope sensor into leveling 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, 882 lbs (400 kg)
- Additional hydraulic connections for ancillary hydraulic equipment



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