

Montana Department of Transportation Bridge Bureau Approved Construction Equipment List

Make:	<i>Wirtgen</i>
Model:	<i>W 2100</i>
Equipment Type:	<i>Milling Machine</i>
Contractor Modifications:	<i>None</i>

Interstate Approval Conditions

Approval Type	<i>Crossing Only</i>
Speed:	<i>No Restriction</i>
Weight:	<i>86,200 lb or less</i>
Traffic:	<i>Approved with Regular Traffic</i>
Location Restrictions:	<i>No Restriction</i>

Non-Interstate Approval Conditions

Approval Type	<i>Denied</i>
Speed:	<i>Denied</i>
Weight:	<i>Denied</i>
Traffic:	<i>Denied</i>
Location Restrictions:	<i>Denied</i>

Comments:

Equipment configuration, weights, and specifications on following pages. Approval does not apply to posted bridges. Other construction equipment is not allowed to operate on or cross bridge at the same time this equipment is on the bridge. Equipment must be empty while crossing.

Cold milling machine W 2100

Technical specification



Technical specification

	Cold milling machine W 2100		
Milling width max.	6' 7"	2,000 mm	
Milling depth *1	0–13"	0–320 mm	
Milling drum			
Tool spacing	5/8"	15 mm	
Number of tools		168	
Drum diameter with tools	3' 7"	1,080 mm	
Engine			
Manufacturer	Caterpillar		
Type	C 18 ATAAC		
Cooling	Water		
Number of cylinders	6		
Output	522 kW / 700 HP / 710 PS		
Engine speed	2,100 min ⁻¹		
Displacement	1,106 in ³	18,130 cm ³	
Fuel consumption, full load	38.3 gal/h	145 l/h	
Fuel consumption, 2/3 load	25.4 gal/h	96 l/h	
Speeds / Gradeability			
Travel speed	21.7 gal/h	82 l/h	
	0–3.1 mph	0–5 km/h	
Theoretical gradeability	100 %		
Transversal inclination, max.	5°		
Ground clearance	13"	335 mm	
Weights *2			with additional weight (optional)
Front axle load, full tanks	51,235 lbs	23,240 daN (kg)	50,706 lbs 23,000 daN (kg)
Rear axle load, full tanks	34,965 lbs	15,860 daN (kg)	38,581 lbs 17,500 daN (kg)
Own weight	73,855 lbs	33,500 daN (kg)	76,941 lbs 34,900 daN (kg)
Operating weight, CE *3	80,028 lbs	36,300 daN (kg)	83,114 lbs 37,700 daN (kg)
Operating weight, full tanks	86,200 lbs	39,100 daN (kg)	89,287 lbs 40,500 daN (kg)
Crawler track units			
Crawler tracks, front (L x W x H)	6'7" x 14" x 2'4"	2,000 x 350 x 710 mm	
Crawler tracks, rear (L x W x H)	6'7" x 14" x 2'4"	2,000 x 350 x 710 mm	
Tank capacities			
Fuel tank	343,4 gal	1,300 l	
Hydraulic fluid tank	79,3 gal	300 l	
Water tank	1189 gal	4,500 l	
Electrical system	24 V		
Conveyor system			
Belt width 1 st conveyor (primary conveyor)	3'3"	1,000 mm	
Belt width 2 nd conveyor (discharge conveyor)	3'3"	1,000 mm	
Theoretical capacity of discharge conveyor	719 yd ³ /h	550 m ³ /h	
Shipping dimensions / Weights *2			
Dimensions of machine (L x W x H)	mm	28'10" x 8'8" x 9'11"	8,800 x 2,650 x 3,010 mm
Dimensions of discharge conveyor (L x W x H)	mm	28'3" x 5'2" x 4'2"	8,600 x 1,570 x 1,260 mm
Weight of machine	69,997 lbs	31,750 daN (kg)	
Weight of discharge conveyor	3,858 lbs	1,750 daN (kg)	

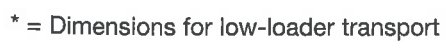
*1 = The maximum milling depth may deviate from the value indicated, due to tolerances and wear.

*2 = All weights refer to basic machine without any additional equipment.

*3 = Weight of machine with half-full water tank, half-full fuel tank, driver (165.4 lbs / 75 kg) and tools.

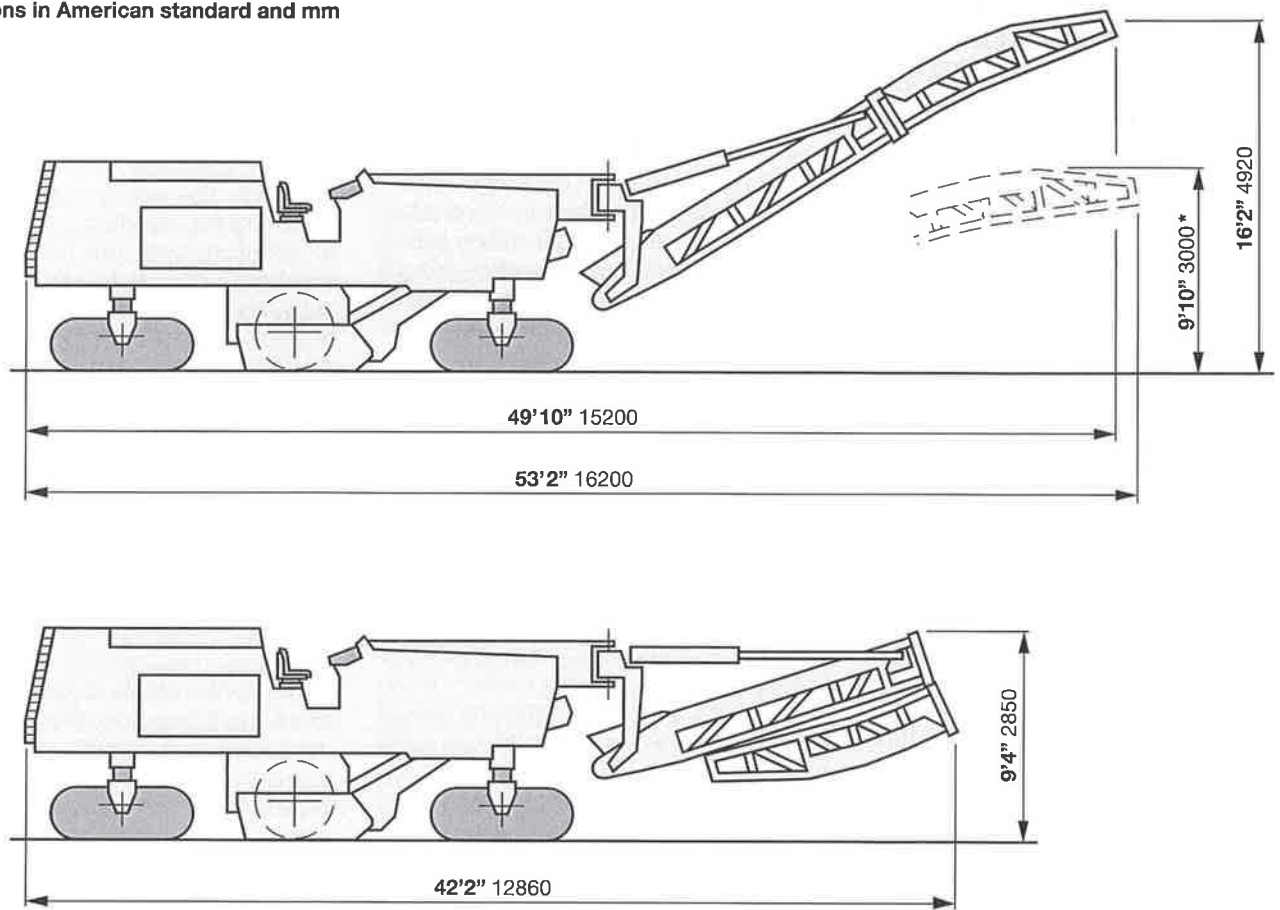
Technical drawing showing the side profile of a crawler crane. The drawing includes the following dimensions:

- Overall width: 28'9" 8760
- Height of the main body: 9'10" 3000
- Height of the boom: 16'2" 4920
- Height of the boom (dashed line): 9'10" 3000 *
- Horizontal dimensions from the left:
 - 4'3" 1295
 - 7'10" 2400
 - 9'6" 2900
 - 3'4" 1005
- Horizontal dimension between the two main body sections: 17'5" 5300
- Horizontal dimension from the left to the end of the boom: 49'10" 15200
- Horizontal dimension from the left to the end of the boom (dashed line): 53'2" 16200



Special equipment: Hydraulically folding discharge conveyor

Dimensions in American standard and mm



* = Dimensions for low-loader transport

Special equipment: Canopy

Dimensions in American standard and mm

