MONTANA
Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

Make:	*Wirtgen*
Model:	*W 2100*
Equipment Type:	*Milling Machine*
Contractor Modifications:	*None*

Interstate Approval Conditions

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

Non-Interstate Approval Conditions

Approval Type	*Denied*
Speed:	*Denied*
Weight:	*Denied*
Traffic:	*Denied*
Location Restrictions:	*Denied*

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.

7'

WIRTGEN GROUP

Wirtgen

Cold milling machine W 2100

Technical specification

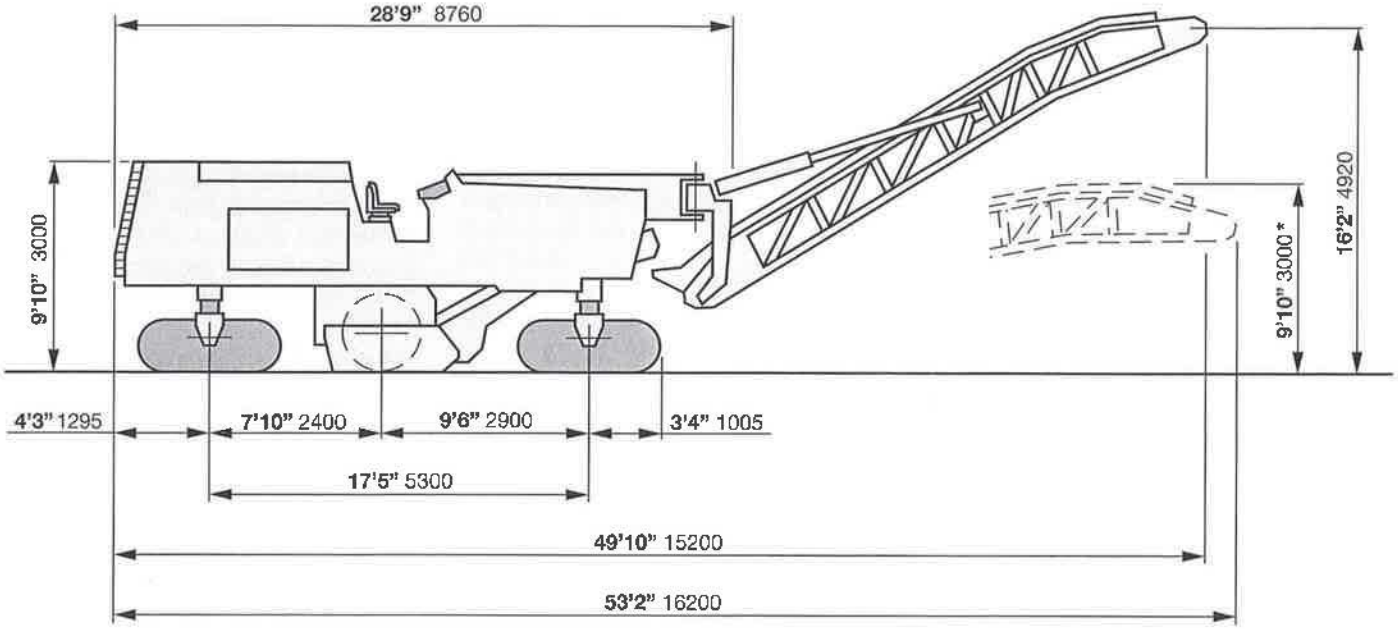


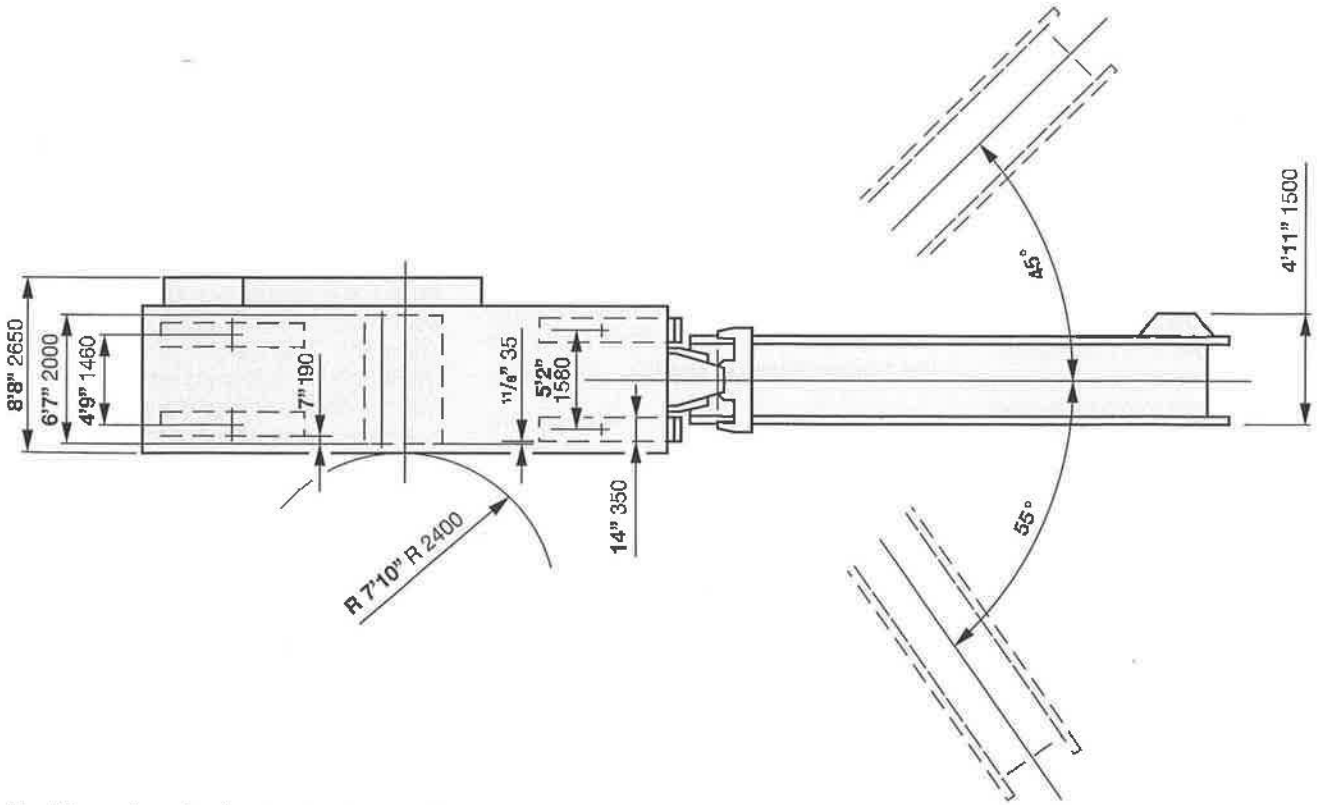
Technical specification

	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 1st conveyor (primary conveyor)	3'3" 1,000 mm	
Belt width 2nd 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.

Dimensions in American standard and mm

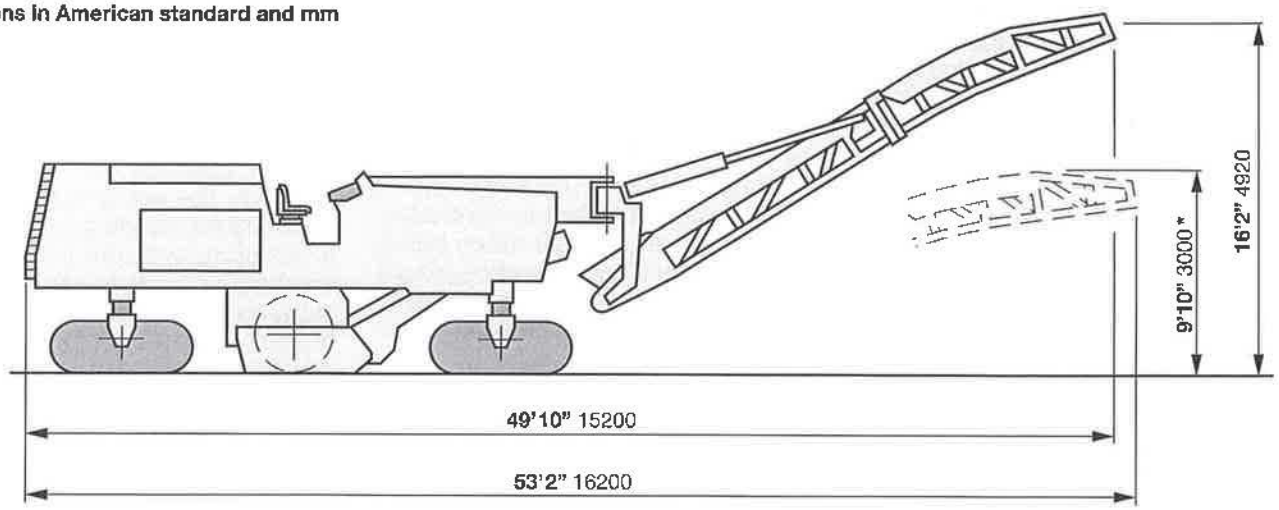


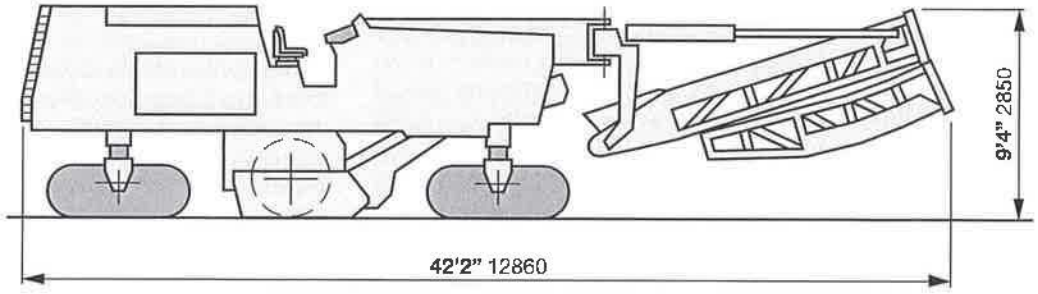


* = Dimensions for low-loader transport

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

