

Montana Department of Transportation Bridge Bureau Approved Construction Equipment List

Make:	<i>Wirtgen</i>
Model:	<i>W 2000</i>
Equipment Type:	<i>Cold Milling Machine</i>
Contractor Modifications:	<i>None</i>

Interstate Approval Conditions

<i>Approval Type</i>	<i>Crossing Only</i>
<i>Speed:</i>	<i>No Restriction</i>
<i>Weight:</i>	<i>70,987 lb or less</i>
<i>Traffic:</i>	<i>Approved with regular traffic</i>
<i>Location Restrictions:</i>	<i>No Restriction</i>

Non-Interstate Approval Conditions

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



Technical specification

Cold milling machine W 2000

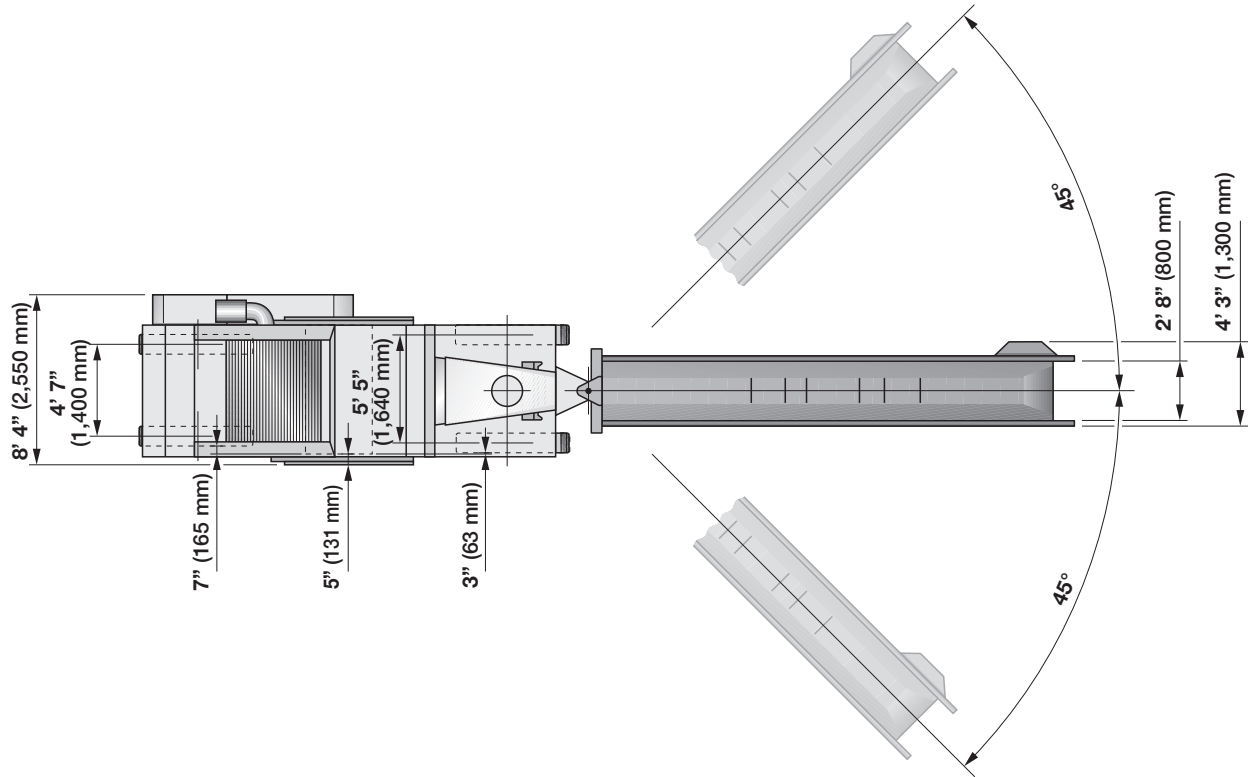
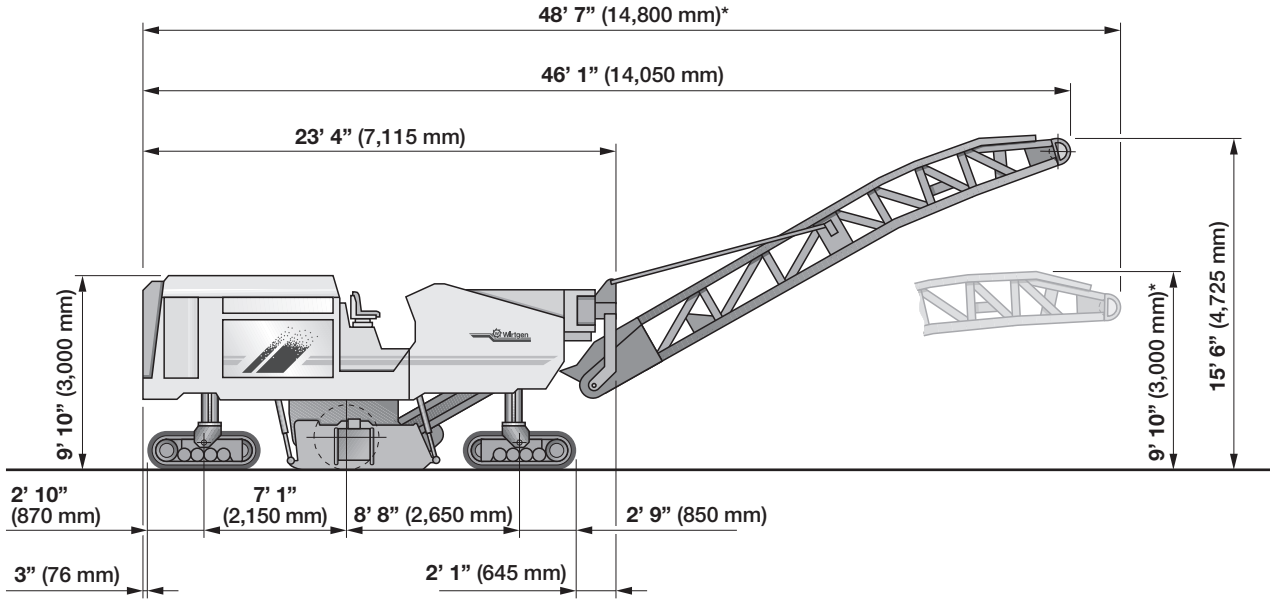


Technical specification

		Cold milling machine W 2000
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		162
Drum diameter with tools		3' 3" (980 mm)
Engine		
Manufacturer		Caterpillar
Type		C 15 ATAAC
Cooling		Water
Number of cylinders		6
Rated power		433 kW/581 HP/589 PS
Engine speed		2,100 min ⁻¹
Displacement		4 gal (15.21 l)
Fuel consumption, full load		27.2 gal/h (103 l/h)
Fuel consumption ² / ₃ load		18.2 gal/h (69 l/h)
Emission standards		EPA Tier III, EU Stage III a
Electrical system		24 V
Filling capacities		
Fuel tank		346.1 gal/h (1,310 l)
Hydraulic fluid tank		79.3 gal/h (300 l)
Water tank		906.1 gal/h (3,430 l)
Driving characteristics		
Travel speed		0–276 ft/min (0–3.1 mph) 0–84 m/min (0–5 km/h)
Crawler tracks		
Crawler tracks, front and rear (L x W x H)		5' 8" x 12" x 2' (1,720 x 300 x 610 mm)
Conveyor system		
Belt width of primary conveyor		2' 8" (800 mm)
Belt width of discharge conveyor		2' 8" (800 mm)
Theoretical capacity of discharge conveyor		432 yd ³ /h (330 m ³ /h)
Shipping dimensions		
Machine	(L x W x H)	23' 7" x 8' 6" x 9' 10" (7,200 x 2,585 x 3,000 mm)
Discharge conveyor	(L x W x H)	28' 1" x 4' 6" x 4' 3" (8,550 x 1,370 x 1,300 mm)

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

Dimensions



* = Dimensions for low-loader transport

	Standard weights of cold milling machine W 2000
Shipping weight	61,068 lbs (27,700 daN (kg))
Operating weight, CE *	66,138 lbs (30,000 daN (kg))
Operating weight, max.	70,988 lbs (32,200 daN (kg))
	Add-on weights
Optional milling drum assemblies	
Milling drum assembly, milling width 7' 3" (2,200 mm), milling depth 0–13" (0-320 mm), number of cutting tools: 174	661 lbs (300 daN (kg))
FCS Light milling drum assembly, milling width 6' 7" (2,000 mm), milling depth 0–13" (0-320 mm), number of cutting tools: 162	1,323 lbs (600 daN (kg))
Optional equipment	
Canopy	551 lbs (250 daN (kg))
Folding conveyor	794 lbs (360 daN (kg))

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