MONTANA
Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

Make:	*Wirtgen*
Model:	*W 2000*
Equipment Type:	*Cold Milling Machine*
Contractor Modifications:	*None*

Interstate Approval Conditions

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

Non-Interstate Approval Conditions

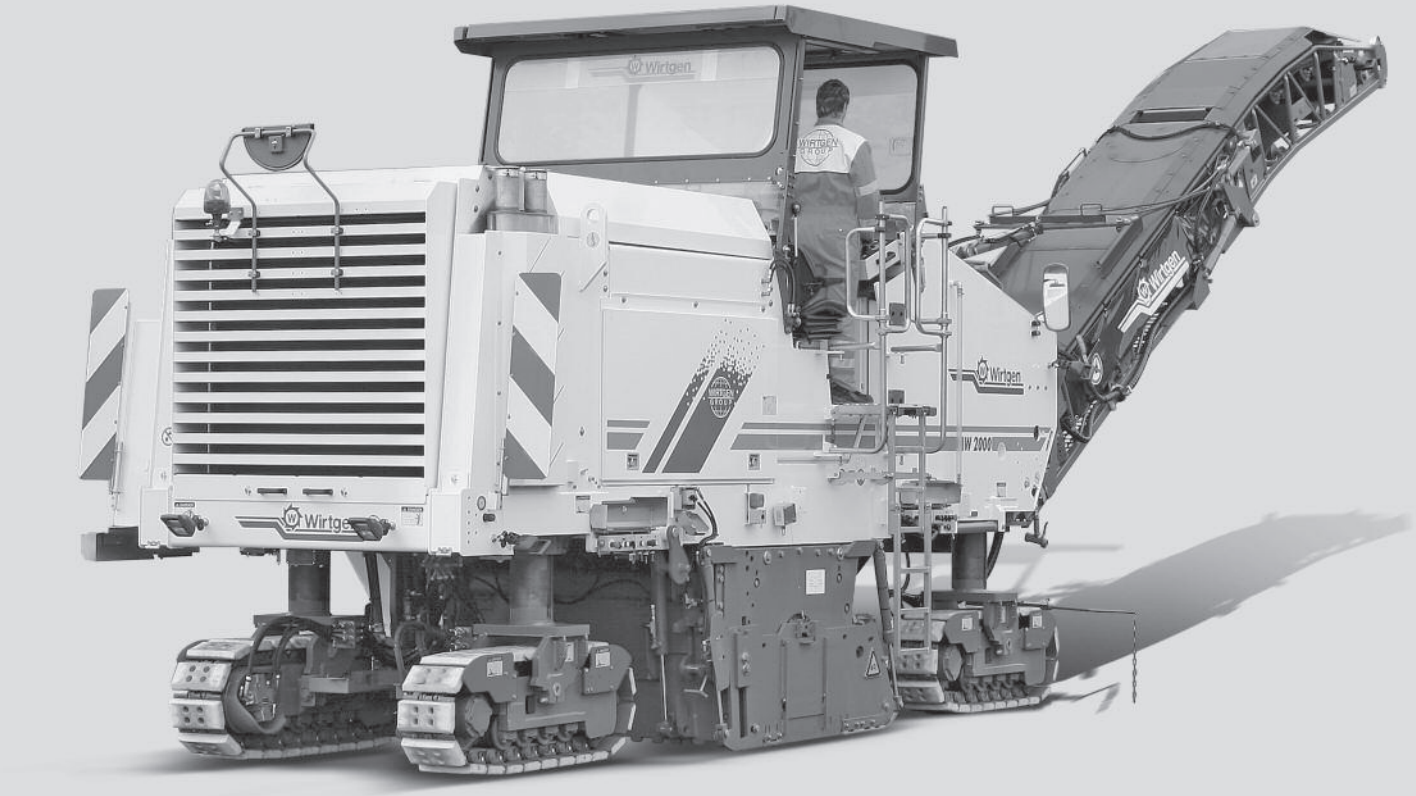
Approval Type	*DENIED*
Speed:	*DENIED*
Weight:	*DENIED*
Traffic:	*DENIED*
Location Restrictions:	*DENIED*

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.

Technical specification

Cold milling machine W 2000

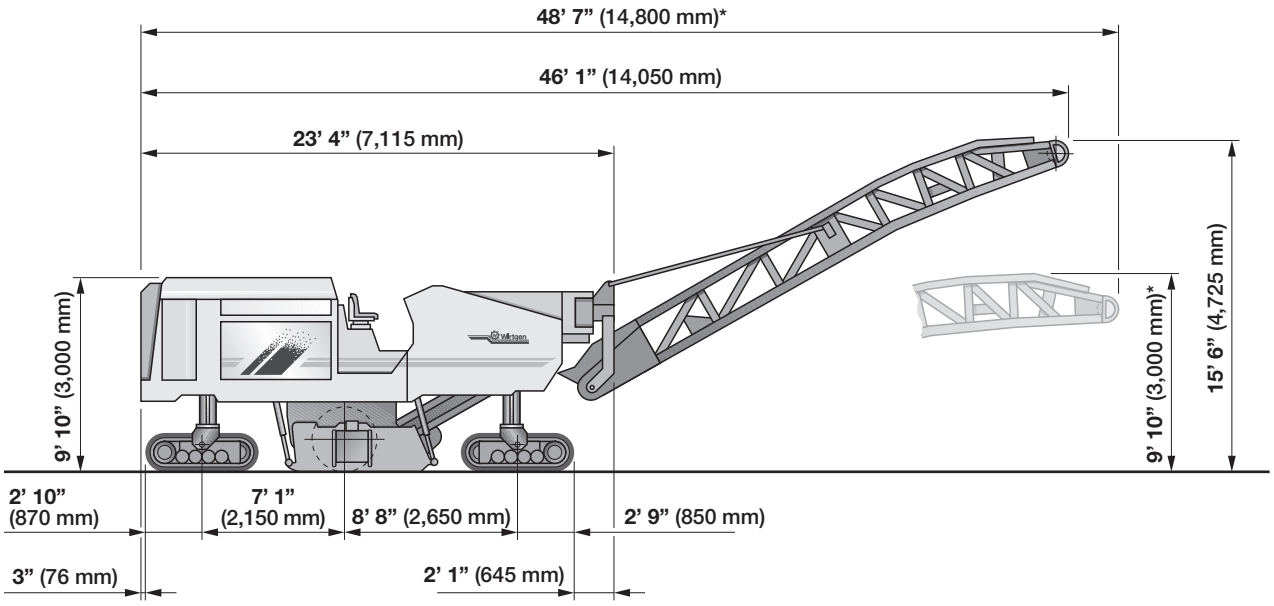


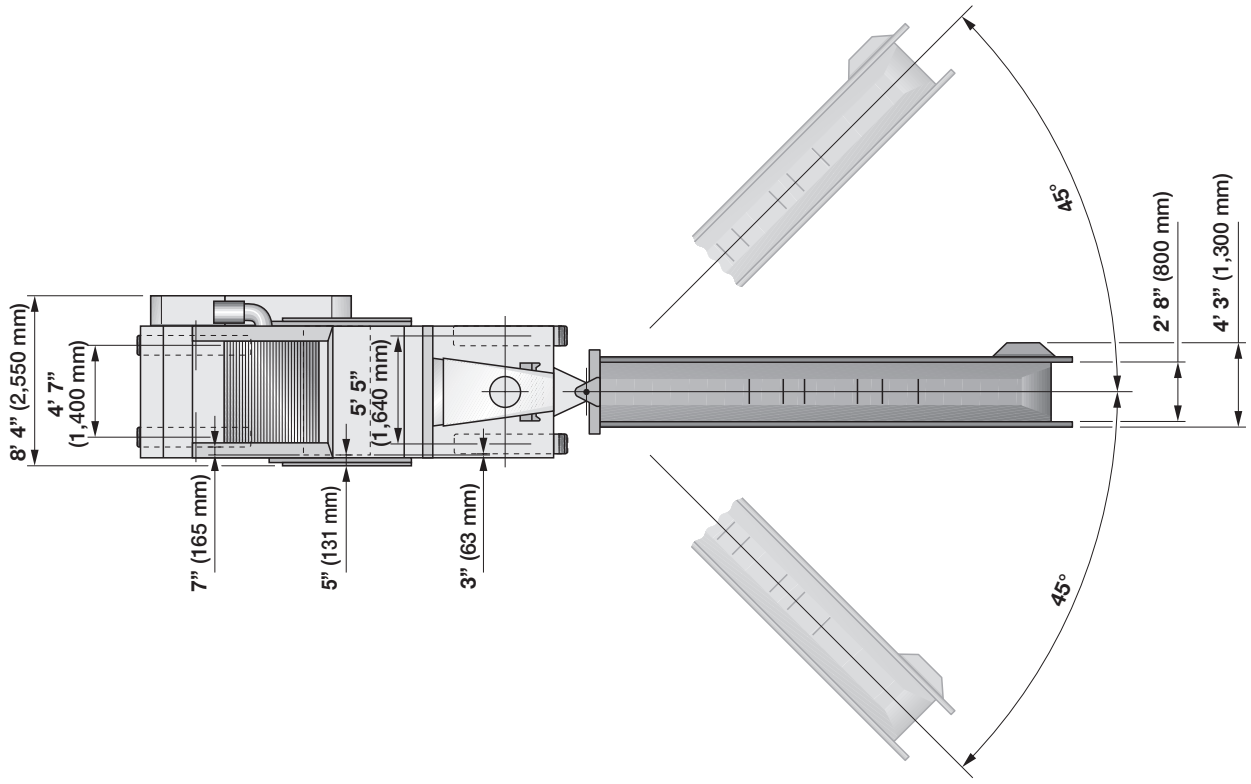
Technical specification

	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.