

## Montana Department of Transportation Bridge Bureau Approved Construction Equipment List

<b>Make:</b>	<i>Wirtgen</i>
<b>Model:</b>	<i>W220 Fi</i>
<b>Equipment Type:</b>	<i>Mill Truck</i>
<b>Contractor Modifications:</b>	<i>None</i>

### Interstate Approval Conditions

<b>Approval Type</b>	<i>Crossing Only</i>
<b>Speed:</b>	<i>No Restriction</i>
<b>Weight:</b>	<i>96,800 lb or less</i>
<b>Traffic:</b>	<i>Approved with regular traffic</i>
<b>Location Restrictions:</b>	<i>No Restriction</i>

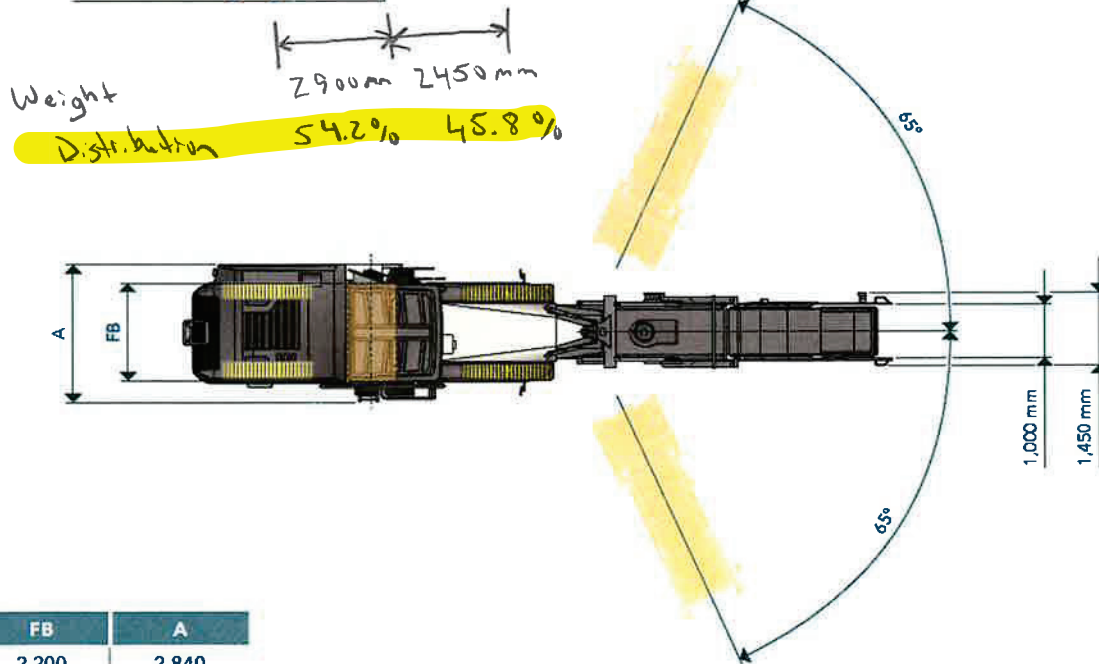
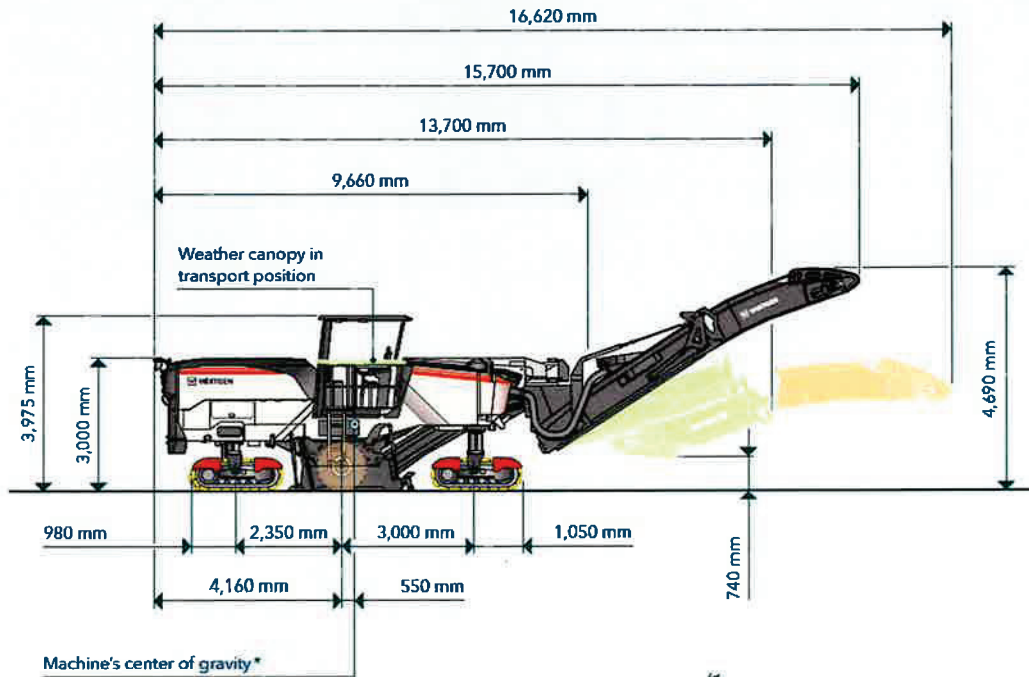
### Non-Interstate Approval Conditions

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

**Comments:**

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

SIDE VIEW / TOP VIEW W 220 Fi



FB	A
2,200	2,840
2,500	3,140
3,500	4,000
3,800	4,300

\*Based on operating weight, CE with conveyor folded out

## Dwayne Rehbein

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**From:** Jim McNulty APRS <jmcnulty@aprsgroup.net>  
**Sent:** Wednesday, March 1, 2023 7:24 AM  
**To:** Dwayne Rehbein  
**Subject:** RE: Check this out – Approved Construction Equipment List (ACEL) | Montana Department of Transportation (MDT)

Dwayne,

After checking with our shop and lowboy guys, our weight for our current configuration runs at about 85,000 LBS. After talking with our superintendent he would prefer to bring out our W150 mill 5' or 6' for the structure work. We could potentially use that mill on the mainline as well.

Let me know if you need anything else from me

**Jim McNulty, Milling Estimator**

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Office: 763 515 2599  
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[jmcnulty@aprsgroup.net](mailto:jmcnulty@aprsgroup.net)  
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Mill with Fuel  
Water

85,000
9,150
<hr/>
94,150

**Allstates Pavement Recycling & Stabilization**

14280 James Road  
Rogers, MN 55374

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**From:** Dwayne Rehbein <dkrehbein@riversidecontracting.com>  
**Sent:** Monday, February 27, 2023 11:57 AM  
**To:** Jim McNulty APRS <jmcnulty@aprsgroup.net>  
**Subject:** RE: Check this out – Approved Construction Equipment List (ACEL) | Montana Department of Transportation (MDT)

Jim,

We are going to have to submit your machine to the EPM for analysis by the Bridge Bureau. According to the specifications you provided, the maximum operating weight is 43.9 metric tons, or 96,800 pounds. This seems high. Do you have a weight on the machine in its current configuration?

Thank you,

Dwayne Rehbein

*Riverside Contracting, Inc.*

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## TECHNICAL SPECIFICATIONS W 220 Fi

Base Machine Weight	
Empty weight of machine without fluids	34,400 kg
Operating weight, CE <sup>2)</sup>	37,100 kg
Maximum operating weight (full tanks, full range of equipment) in FB2200	96,800 LBS 43,900 kg
Weight of Tank Contents	
Water	4,150 kg
Fuel (0,83 kg/l)	1,080 kg
Additional Weight	
<b>Operator and Tools</b>	
> Machine operator	75 kg
> 5 pick containers	125 kg
> Vehicle tool kit	30 kg
<b>Optional Milling Drum Units Instead of Standard</b>	
> Milling drum housing <b>MCS BASIC</b> FB2200	650 kg
> Milling drum housing <b>MCS BASIC</b> FB2500	1,650 kg
> Milling drum housing <b>MCS EXTEND</b> FB3500	3,500 kg
> Milling drum housing <b>MCS EXTEND</b> FB3800	4,500 kg
<b>Optional Milling Drums Instead of Standard</b>	
> Milling drum FB2200 <b>HT22 PLUS</b> LA18 with 156 picks	-210 kg
<b>Optional MCS Milling Drums Instead of Standard</b>	
> Milling drum <b>MCS BASIC</b> FB2200 <b>HT22 PLUS</b> LA15 with 180 picks	100 kg
> Milling drum <b>MCS BASIC</b> FB2200 <b>HT22 PLUS</b> LA18 with 156 picks	-110 kg
> Milling drum <b>MCS BASIC</b> FB2200 <b>HT22</b> LA15 with 18 standard picks and 162 PCD tools	150 kg
> Milling drum <b>MCS BASIC</b> FB2500 <b>HT22 PLUS</b> LA15 with 196 picks	390 kg
> Milling drum <b>MCS EXTEND</b> FB3500 <b>HT22 PLUS</b> LA15, multi-part, with 294 picks	2,020 kg
> Milling drum <b>MCS EXTEND</b> FB3800 <b>HT22 PLUS</b> LA15, multi-part, with 314 picks	2,450 kg
<b>Optional Additional Equipment</b>	
> Operator's platform with functional stand-up seat, large storage compartment	80 kg
> Operator's platform with functional stand-up seat, large storage compartment, and weather protection canopy	600 kg
> Operator's platform with a high-quality comfort cabin	850 kg
> Two additional weights with a total weight of 1,500 kg	1,500 kg
> Large storage compartment at the rear of the machine for 72 pick containers	200 kg
> Extension of <b>MCS BASIC</b> with a hydraulically opening side panel for FB2200 / FB2500	50 kg
> <b>VCS</b> extraction system	140 kg
> Extension of <b>LEVEL PRO ACTIVE</b> with leveling booms and one Sonic Ski sensor	80 kg
> Extension of <b>LEVEL PRO ACTIVE</b> with two ultrasonic sensors for multiplex scanning	40 kg
> Extension of <b>LEVEL PRO ACTIVE</b> with four ultrasonic sensors for multiplex scanning	80 kg

<sup>1)</sup> The maximum milling depth may deviate from the value indicated due to tolerances and wear.

<sup>2)</sup> Machine weight, half-full tanks, vehicle tool kits, machine operator, excluding optional equipment.