MONTANA
Department of Transportation

MDT-BRG-015 04/23

Montana Department of Transportation
Bridge Bureau
Approved Construction Equipment List

Make:	*Bomag*
Model:	*BW 141 AD-50*
Equipment Type:	*Tandem Roller*
Contractor Modifications:	*None*

Interstate Approval Conditions

Approval Type	*Crossing Only*
Speed:	*No Restriction*
Weight:	*15,212 lb or less*
Traffic:	*Approved with Regular Traffic*
Location Restrictions:	*No Restriction*

Non-Interstate Approval Conditions

Approval Type	*Crossing Only*
Speed:	*No Restriction*
Weight:	*15,212 lb or less*
Traffic:	*Approved with Regular Traffic*
Location Restrictions:	*No Restriction*

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. Vibratory system must be turned off while on bridge. Approval is for use of single roller only, not two rollers working in tandem.

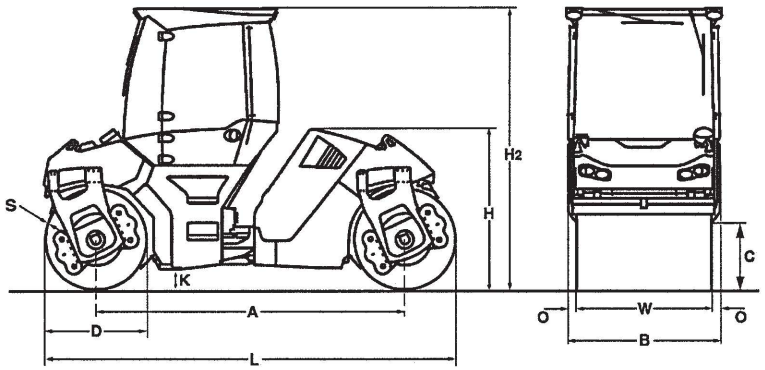
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TECHNICAL DATA

TANDEM ROLLERS

BW 141 AD-50, BW 151 AD-50





Dimensions in mm

	A	B	C	D	H	H2	K	L	O	S	W
BW 141 AD-50	3300	1664	730	1100	2240	3000	250	4400	82	16	1500
BW 151 AD-50	3300	1844	730	1100	2240	3000	250	4400	82	16	1680

Shipping dimensions in m3	without ROPS	with ROPS
BW 141 AD-50	16,400	21,965
BW 151 AD-50	18,174	24,341

Machine type	Compaction output (m3/h) at recommended soil layer thicknesses		
	Gravel, sand	Mixed soil	Silt, clay
BW 141 AD-50	140-280	120-250	50-120
BW 151 AD-50	150-310	130-280	60-180

Machine type	Compaction output (t/h) at different asphalt layer thicknesses		
	2-4 cm	6-8 cm	10-14 cm
BW 141 AD-50	35-60	50-130	80-150
BW 151 AD-50	35-70	60-130	90-160

Technical Data		BOMAG BW 141 AD-50	BOMAG BW 151 AD-50
Weights			
Operating weight CECE w. cab.	kg	6.900	7.600
Axle load, front CECE	kg	3.560	3.900
Axle load, rear CECE	kg	3.340	3.700
Static linear load, front CECE	kg/cm	23,7	23,2
Static linear load, rear CECE	kg/cm	22,3	22,0
Grossweight	kg	8.700	9.300
Dimensions			
Track radius, inner	mm	4.480	4.390
Driving Characteristics			
Max. travel speed	km/h	0- 11,0	0- 11,0
Max. gradeability without/with vibr.	%	40/30	40/30
Drive			
Engine manufacturer		Kubota	Kubota
Type		V 3307 DI-T	V 3307 DI-T
Emission stage		Stage IIIa / TIER4i	Stage IIIa / TIER4i
Cooling		Liquid	Liquid
Number of cylinders		4	4
Performance ISO 14396	kW	55,4	55,4
Performance SAE J 1995	hp	74,3	74,3
Speed	min-1	2.200	2.200
Electric equipment	V	12	12
Brakes			
Service brake		hydrost.	hydrost.
Parking brake		multi disc	multi disc
Steering			
Steering system		oscil.artic.	oscil.artic.
Exciter system			
Vibrating drum		front + rear	front + rear
Autom. vibr. shut off		standard	standard
Frequency	Hz	45/55	45/55
Amplitude	mm	0,71/0,28	0,71/0,27
Centrifugal force	kN	75/45	75/45
Centrifugal force	t	7,6/4,6	7,6/4,6
Capacities			
Fuel	l	125,0	125,0
Water	l	600,0	600,0

Technical modifications reserved. Machines may be shown with options.

Standard Equipment

- ☑ 2 amplitudes / 2 frequencies
- ☑ Autom. vibration operation
- ☑ Individual vibration control
- ☑ Driver's seat, slewable (-15/+75°)
  - laterally slidable with steering wheel
- ☑ V-belt protection
- ☑ Pressure sprinkling system with 2 pumps
- ☑ Back-up alarm
- ☑ Battery disconnect switch
- ☑ Folding scrapers

Optional Equipment

- ☐ ROPS cabin with seat belts
  + heating, Ventilation
  + 4 Working head lights
- ☐ ROPS cabin with air conditioning
- ☐ Rotary beacon
- ☐ 2 LED-lights for cabin roof (flatbeam)
- ☐ ROPS/FOPS
- ☐ Asphalt temperature display
- ☐ Crab-walk to both sides (170mm)
- ☐ BOMAG TELEMATIC START
- ☐ Compartments for documents and tools
- ☐ Outside mirrors
- ☐ Working lights
- ☐ Lights with german regulations
- ☐ Frequency 70Hz
- ☐ Additional weight 600kg (BW151AD-50)
- ☐ BOMAP compaction navigation with GPS
- ☐ ECONOMIZER
- ☐ Edge cutter

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